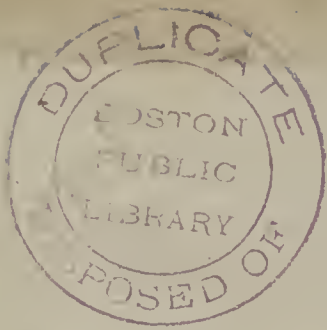




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OF THE

CITY OF BOSTON,

FOR THE YEAR 1901.

IN THREE VOLUMES.

VOLUME II.

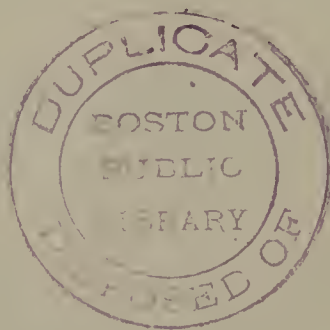
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ANNUAL REPORT
OF THE
INSANE HOSPITAL DEPARTMENT
FOR THE YEAR 1899-1900.

Boston, February 1, 1901.

TO HON. THOMAS N. HART,
Mayor of Boston :

The Trustees of the Boston Insane Hospital respectfully present herewith their report for the year ending January 31, 1901.

The Trustees have under their charge at the present time seventeen hundred and forty-four patients, who are cared for as follows :

In the Boston Insane Hospital	513
In State Institutions :	
Danvers Insane Hospital, 25 miles distant	74
Taunton Insane Hospital, 36 miles distant	61
Worcester Insane Hospital, 44 miles distant	71
Worcester Asylum, 44 miles distant	136
Westborough Insane Hospital, 32 miles distant	129
Medfield Asylum, 20 miles distant	453
Tewksbury Asylum, 23 miles distant	63
Insane boarded in families	29
	1,529

In addition to the above are the following :

Criminal Insane at Bridgewater (not transferable)	35
Inebriates at Foxboro' (not transferable)	89
Feeble-minded adults at Waverley	64
Epileptics at Palmer	27
	215

The report of the Superintendent contains a detailed statement of the expenditures of the Hospital for the year and the movement of population.

The appropriation for maintenance at the Boston Insane Hospital for the past year was one hundred twenty-five thousand dollars (\$125,000). This amount has been expended, and no bills remain unpaid.

The appropriation for the support of the insane at State institutions was one hundred ninety-two thousand dollars (\$192,000). This amount was insufficient, and three thousand four hundred ninety-nine and $\frac{89}{100}$ dollars (\$3,499.89) was transferred to meet the deficit. No bills remain unpaid.

The appropriation of sixteen thousand five hundred dollars (\$16,500), made in 1899, for the installation of an electric light plant, was not large enough to meet the bills presented by the Electrical Division of the Public Buildings Department then existing, and in accordance with the terms of a specified agreement as to the cost of said work the deficit was assumed by the Public Buildings Department, the Electrical Division having gone out of existence.

The receipts of the Insane Hospital Department have been as follows :

1. Paying patients at the Boston Insane Hospital	\$18,087 48
2. Paying patients in State institutions	2,393 20
3. Material sold	202 33
	\$20,683 01

The Board of Trustees, upon taking office four years ago, began the policy of caring for the acute and recent cases of insanity and the infirm insane. Previously the Hospital had been a receptacle for chronic insane, many of whom were kept there through the influence of friends, and the acute and infirm insane had to be sent to distant State institutions. It is now the practice in court to commit all insane cases with a city settlement to the Boston Insane Hospital. The admissions for the past year have been three hundred and twenty-nine. To carry out this policy it is necessary to

transfer, from time to time, chronic cases to State institutions, and one hundred and five cases were so transferred the past year.

The weekly cost at the Boston Insane Hospital has been \$4.87 per patient, and, except at Medfield, Tewksbury and Bridgewater, the City pays \$3.25 per week for patients boarded at State institutions. Attention should be called to the fact that in the case of some of the State institutions, the weekly cost per patient has been over \$3.50, and that the sum paid by the City has been less than it has cost to care for the patient.

The expense at the Boston Hospital per patient has been greater than at State institutions —

First. — Because it receives and cares for the excited and infirm patients of the Metropolitan District. This class of patients requires more attendants, is more destructive, and calls for a more expensive dietary than do the chronic insane.

Second. — The Boston Hospital is so arranged that it is practically two hospitals, each requiring its own staff of officers, so that the expenses of administration are greater. With the development of the Hospital the staff would not have to be materially increased, and this would reduce the cost per patient.

Third. — It has been necessary during the past year to expend large sums in order to make long neglected repairs.

The Trustees wish to call attention to the fact that undue stress is often laid upon the cost per patient. They believe that in caring for curable cases of insanity the percentage of recoveries is more to be considered than the cost per patient. The care that a patient receives at first oftentimes decides the question of his recovery. The average duration of life of the chronic insane is from fifteen to twenty years, and the expense to the community of caring for a pauper insane person during his lifetime is from three to four thousand dollars. The fact that the City of Boston already pays over three hundred thousand a year for the care of pauper insane, and that there is a yearly increase of nearly a hundred of such insane, is the strongest reason for sparing no means or expense to secure recoveries among the curable cases.

There have been no changes in the Board of Trustees during the past year.

In the Hospital Staff Dr. Henry A. Roberts resigned on account of his health, after serving faithfully for three years as Assistant Physician, and the Trustees regret to record his untimely death. Dr. Samuel W. Crittenden has been appointed to fill the vacancy.

Miss M. E. P. Davis has been appointed Superintendent of Nurses and Matron. A training school for nurses has already been established at the Hospital, and the Trustees are trying to attain in this school the same standard as that maintained in the best schools in general hospitals. The Trustees believe that the best care and nursing of the patients can be obtained in this way.

The Trustees have made frequent visits to the Hospital, and have found the institution well conducted, and the patients well cared for. The cleanliness and the absence of restraint have been noticeable.

A visitor to the infirmary wards could easily believe the Hospital an institution for old people. There are three classes of these old people :

First. — The insane patients who have grown old in the Hospital.

Second. — The recently committed senile insane, who are either excited, melancholy, suicidal, or actively deluded.

Third. — Recently committed cases of senile dementia, the dotards.

While all will agree that the first two groups should be in an insane hospital, humane consideration of the dotard, the rights of the insane, and public economy indicate a different disposition of the third group. Since 1897 one hundred twenty-five dotards have been committed to the Boston Insane Hospital out of a total ten hundred twenty-one admissions ; that is, over twelve per cent. of all admissions have been dotards. Twenty-seven of these cases have died in less than two months after admission.

Of course this group of cases comes within the letter of the law, but it does not seem possible that the law intended that the burden of caring for harmless people, grown old and simple-minded, should be shifted from the private to the public purse. The confidence in the management of insane hospitals is such to-day that people are willing to send relatives as paupers to an insane hospital who would consider it a disgrace to send them to a poor-house. The insane hospitals are already crowded with legitimate cases, and their work should not be embarrassed by the admission of these dotards who cannot be benefited and who can be taken care of elsewhere. The cost of caring for these dotards should not be increased by housing them in more costly buildings under more expensive management than necessary.

It is a well-established fact that the aged do not bear a change of environment. This is clearly shown by the fact

that twenty-seven of the one hundred twenty-five dotards transferred from their homes and from the Boston public institutions since 1897 have died in less than two months after admission to the Hospital, and nine of these cases died within a week. The Trustees believe that humane consideration demands that the dotard be cared for in the institution where he is, or, so far as possible, in his home.

Embarrassed as our Board have been by the large number of the Boston insane and the demand that the seventeen hundred and forty-four should be cared for in our Boston Hospital of five hundred beds, it has seemed a hardship to be obliged to receive these dotards, who must be retained and cared for in our infirmary wards on account of feebleness. Complaint of the abuse of the law under which dotards are committed to insane hospitals is seen in reports of hospitals in various States. It is hoped that some suitable way of protecting the insane hospitals from receiving dotards may be found in Massachusetts.

Under the operation of chapter 425 of the Acts of 1898 six patients in the Boston Insane Hospital lost their settlement. These patients were all in advanced years, and had been inmates of the institutions since 1860 and before. To have moved them would have been a great hardship to the patients, and, as has been stated previously, the great mortality among old people following a change of environment is the experience of all superintendents of institutions.

The Trustees, therefore, conferred with the late Mr. Wrightington of the State Board of Charity, asking that these patients be allowed to remain in the Hospital and that the State reimburse the City for their care. This at first was refused, but after further conference it was decided that the State Board of Charity could pay \$1 per week for each patient, and the Board of Trustees, after consultation with His Honor Mayor Quincy, accepted this offer. It was afterwards found that this money could not be paid, and, in consequence, the City of Boston has taken care of these cases since the operation of the Acts of 1898, chapter 425, without any remuneration. In the meantime, the City has paid the State at the rate of \$2.80 or \$3.25 for each patient boarded in State institutions. Of course, if these six patients who lost their settlement had been sent to the State institutions, the burden of caring for them would have ceased at once to the City, and six Boston cases could have been taken from the State institutions for whom we have paid, during all this time, \$2.80 or \$3.25 per week. It seems a most unjust and anomalous arrangement that the

City should receive no compensation for the care of State cases, and should be obliged to pay the State for the care of all City cases. The co-operation of the State Board of Charity has been asked to secure some method by which this may be righted.

The needs of the Hospital still remain buildings and land. The bill presented to the Legislature for permission to take by right of eminent domain the land needed for the enlargement of the Hospital was defeated in the stage of enactment, and no money was appropriated by the City Government for new buildings.

The City of Boston has put itself on record the past year as wishing home rule. In accordance with this policy the bill for State care of the insane introduced into the Legislature in 1900 was amended to exclude the Boston insane from State care. In view of this attitude on the part of the City it is interesting to review the history of the care of the insane by the City.

In 1837 Mayor Eliot reported that, while the law required Boston to provide a receptacle for the insane of Suffolk county, humanity required her to provide a hospital for the insane. The City of Boston established a hospital for her insane at South Boston in 1839. This was the third hospital in the State, the first being the McLean Hospital, a private institution founded in 1818, and the second, the Worcester State Hospital, founded in 1833. The only other insane hospitals in the country at that time were the hospital in Virginia, established in 1773; the hospital in Baltimore, established in 1797; the hospital in Philadelphia, built in 1817; the Retreat, at Hartford, Conn., and a State Asylum in Kentucky, both opened in 1824; and asylums in Virginia and South Carolina, opened in 1828.

This Hospital at Boston was placed between the Workhouse and the House of Correction, and when it was completed the insane were taken from these penal institutions, where many of them had been kept in strong wooden cages on wheels. In fine weather, as an extraordinary touch of kind treatment, these cages were drawn out of doors. When the Hospital was ready it was a simple matter to transfer the insane in their cages to the new building, where the intelligent and humane superintendent, Dr. John S. Butler, at once released them and treated them as human beings. Now, in taking proper care of her seventy-six insane citizens at this time, Boston took a position in the lead in intelligent and humane care of the insane; but here Boston stood still in the belief that she had reached the highest standard possible. For

fifty years nothing of any consequence was ever done in the way of hospital development.

In 1862 there were two hundred and two City patients, taken care of at a cost of fifty-eight thousand dollars. In 1872 there were two hundred and thirty-three insane patients, and on account of the crowded condition of the Hospital, a City Ordinance was passed to have City cases sent to the State hospitals. In 1875 there were three hundred and forty-four insane, one hundred and ninety-eight of whom were cared for in Boston, and one hundred and forty-six boarded in the State hospitals. In 1886 there were a thousand insane, two hundred and forty of whom were cared for in Boston, and seven hundred and sixty boarded in State hospitals. In 1892-94 the City put up the buildings which now constitute the Boston Insane Hospital in Dorchester, and abandoned the old hospital in South Boston. The development of this institution cost the City six hundred and ninety-seven thousand nine hundred seventy-five and fifty-six one-hundredth dollars (\$697,975.56). To-day there are seventeen hundred and forty-four insane, five hundred and thirteen of whom are cared for in Boston, and twelve hundred and thirty-one boarded in State institutions. Our budget of this year calls for three hundred and twenty-five thousand dollars (\$325,000) for the care of these people.

From this sketch it is evident that since 1872, when a City Ordinance was passed to have City cases sent to State hospitals instead of providing for her insane citizens at home, Boston has had State care for the majority of her insane. The annual increase of the City insane at the present time is from seventy-five to a hundred patients, and for years no provision has been made to take care of this increase. This condition whereby, through lack of proper provision for her insane citizens, over two-thirds of her insane are boarded in State institutions, twenty to forty miles distant from their homes, places a heavy tax for car-fares upon the relatives of the insane poor if they would visit them in these distant hospitals. As the insane poor are at present distributed in State hospitals, if each patient had but one visitor once a month, the cost in car-fares alone would be over \$15,000. In addition to this the relatives of these patients must lose their wages for the time spent in visiting. Of course, this arrangement practically prohibits all visiting, and is a hardship to both patient and relative.

Since 1872 four State hospitals for the insane have been built, namely, Danvers, 1878; Worcester, 1878; Westborough, 1887; Medfield, 1896. New hospitals have also

been built at Palmer, for the epileptics, at Waverley for the feeble-minded, and at Foxboro' for the inebriates. For all these, hospitals Boston has paid her quota of the cost, and the capacity of the four State hospitals for the insane is, in round numbers, 4,000. The cost of the four State hospitals for the insane built since 1872 has been \$4,975,807.83. Boston pays 35.778 per cent. of the State tax, and her interest in these four State hospitals amounts to \$1,780,244.52. In the eight State hospitals for the insane, namely, Danvers, Worcester, Westborough, Taunton, Northampton, Medfield, Worcester Asylum, and Tewksbury, there are to-day, in round numbers, 6,500 patients, 1,000 of whom are Boston insane.

Thus it appears that the City of Boston, by her failure since 1872 to make proper provision at home for the annual increase of her insane citizens, has been obliged to pay the enormous sum of nearly two millions to build State hospitals to provide at a distance from home for this increase. And the City will be taxed 35.778 per cent. of the cost of any enlargement of existing State hospitals or for the erection of new State hospitals that may be built in the future. As has been stated, the annual increase of the Boston insane is nearly one hundred, and they must be provided for either at home or in State hospitals, which are now overcrowded. It is difficult to understand the policy, or rather lack of policy, that the City has carried out in the past regarding her insane poor. Under this policy both the City and her citizens have fared badly, for the City has spent nearly two millions for the erection of State hospitals, and has nothing within her boundaries to show for this expenditure, and her citizens are, so to speak, exiled if they have the misfortune to become mentally sick.

The reason for the higher cost per patient at the Boston Insane Hospital as compared with that of the State hospitals has been pointed out earlier in the report. In everything except coal the supplies have been purchased for the same or at a lower price than at the State institutions, and the City could care for all its insane at a rate as low, and probably lower, than is now paid at the State institutions.

The Trustees believe that the care of the insane in the district to which they belong is humane, economical and scientific. The Trustees have prepared plans for the enlargement of the Hospital, which have had the approval of the best experts of the State in hospital management. Pictures of these plans appear in the report. The Trustees are preparing plans for a new building, which will be presented to the City Council with specified statements of cost. The



MAP SHOWING LOCATION OF THE BOSTON INSANE HOSPITAL.

The Hospital is placed between two lines of railroad, and trolley cars run on Blue Hill Avenue and Washington Street. The Hospital is nearly surrounded by Franklin Park, Forest Hills Cemetery, Mt. Hope Cemetery, Calvary Cemetery, and Franklin Field. The Hospital now owns 131 acres of land. This land is shown on the map within heavy black lines. The Hospital should own the land (110 acres, assessed for \$48,600) lying between its two departments. The Hospital land, the land desired, with the adjoining parks and cemeteries, aggregate about 1,000 acres.

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THIS MAP SHOWS PRESENT BUILDINGS IN SOLID COLOR, AND THE PROPOSED NEW BUILDINGS IN SHADED LINES.

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Trustees urge that the City Government will consider the needs and rights of her insane citizens, and that money may be appropriated for buildings and land.

For the Insane Hospital Trustees,

HENRY C. BALDWIN,

Chairman.

To the Trustees of the Boston Insane Hospital :

The sixty-second annual report of the Hospital for the year ending January 31, 1901, is herewith respectfully submitted.

The movement of population for the calendar year was as follows :

	Men.	Women.	Total.
Patients in the Hospital Jan. 1, 1900 .	247	249	496
Admitted	127	202	329
Whole number treated	374	451	825
Discharged	121	200	321
Remaining in the Hospital Dec. 31, 1900 .	253	251	504

The daily average number of patients in the house has been 492.6. From the fact that practically all our patients live near the Hospital we have, at all times, a number who are with friends temporarily, and we have actually on our books many more than the census of those in the house shows. Several patients go home as often as once a week. A large number go out for the holidays for a longer or shorter visit.

The active hospital work has continued to be as great as for the past few years.

There were thirty-four patients discharged as recovered, eighteen much improved, thirty-two improved, and 150 (of whom 105 were transferred to other hospitals and asylums in the State) as not improved. There have been seventy-six deaths. This bears the usual ratio (*i.e.*, 9.2 per cent.) to the whole number treated, and is 15.3 per cent. of the daily average population. The average age at death was 56.36 years. We have been free from epidemic diseases, and only three deaths occurred from tuberculous disease. There have been two deaths from suicide. One woman escaped in some unknown manner from the ward, and was found in one of the ponds on the grounds. A man who was a parole patient hanged himself.

The percentage of recoveries to admissions is 10.3 per cent., and to the number discharged (excluding those transferred) 15.7 per cent.

The movement of patients has been much more active among the women than among the men. As a consequence, we have been obliged to send seventy-one women and thirty-four men to State institutions, the majority going to the Medfield Asylum.

We have received forty-three cases on emergency papers, a much larger number than ever before. These are persons who, for various reasons could not be given the formality of a court hearing, they having become suddenly insane and needing immediate care. Many were strangers in the City. By the operation of this humane provision, the Hospital has been the means of saving these patients much hardship, and they have received good hospital care while their friends could be found, or until the court opened. We welcome this class of cases, and feel that it is the duty of the municipal hospital to serve the public in this way.

A further study of the admission of senile patients to the insane hospitals has been made during the year, and a general interest has been shown in the matter throughout the State. The State Board of Insanity gathered data from the hospitals upon this subject, and it was shown that this hospital had relatively a larger population of senile patients than any in the State. A study of our Hospital register shows that of the first thousand admissions to the Hospital in the period of 1839-55 there were 40, or 4 per cent., over sixty years of age, 9, or .9 per cent. over seventy years of age; of the sixth thousand admitted from 1897-1900, 222, or 22.2 per cent., were over sixty; 106, or 10.6 per cent., were over seventy.

In other words, the admission of patients over seventy has increased nearly twelvefold within fifty years. This increase is chiefly due to the sending of cases of senile dementia to insane hospitals where, in the majority of cases, they are better cared for than they could be elsewhere. These cases are technically and legally insane. But they are not readily classified in a small hospital like this where we have so few wards.

These old people need constant care, should have skilled nursing, and regular medical supervision. I feel that many of these cases now in this Hospital would be better cared for apart from the actively insane.

The income received from board of patients has been steadily increasing the past few years. I find an erroneous idea is prevalent relative to the payment of board of patients in the Hospital. It is wrongly assumed by many that as the Hospital is supported by the city, all citizens or taxpayers are thereby entitled to free board and treatment here. It is perhaps not unnatural to expect that a municipality that assumes the entire expense for the support of schools, library, fire department, and prisons, provides also free support for the insane.

To a certain extent this idea is correct. The taxpayers

have provided hospital buildings with ample grounds for the reception of insane citizens of Boston, and for such no rent is charged. But, in accordance with the laws of the Commonwealth, those legally responsible for the support of such as may become patients here may be compelled to reimburse the City for their support. All not so paid for are deemed paupers, and those bringing members of their family here (who do not pay the rates for private patients) are asked to refund the City for the actual cost of maintenance.

An unusual amount of work has been done in the way of repairs upon the buildings, and several important improvements have been made. The two electric plants installed the previous year were completed in April, and have been constantly in use since. They have given great satisfaction. The wards are now much better lighted, and at a saving in expense. Although coal has been high, the cost of lighting will be less than when we used gasolene. The exhaust steam is used for heating.

The laundry has been equipped with electric irons, and the small mangles in which we formerly used gas are now heated by the electric current.

A small dynamo was put in at the women's department to furnish electricity for the laundry.

During the year a considerable amount of painting has been done inside. The walls were carefully pointed and the day-rooms, corridors, dining-rooms, dormitories, and many single rooms received their first coat of paint. In this way we have expended nearly \$6,000, for stock and labor. There remains nearly as much more to be done the coming year.

During the year two steel hot water tanks have given out. These have been replaced by two feed water heaters in which the water is heated as it is drawn.

The laundry ceiling was entirely sheathed, and this has resulted, as it was hoped, in preventing the escape of steam into the space under the roof. It will be necessary to put in two ventilators to allow the steam to escape from the rooms.

Much work has been done by the engineer in altering steam-pipes to give greater efficiency and at the same time to economize in fuel.

Five rooms have been made in one wing of the attic at the men's department. This will provide a quiet place for the night attendants, and is a much needed improvement.

Fly-screens have been provided for the windows in two wards. These have greatly increased the comfort of the patients, and added considerably to the cleanliness of the house.

Several awnings have been furnished also for windows in the day-rooms at the men's department.

Under the direction of Mr. Curtis much work was done toward adorning the grounds of the men's department. The shrubs and trees planted the year before have done well, and many more were planted in the spring.

At the same time considerable work was done upon the roads and grading of the tillable land. The grove lot on Canterbury street has been cleared of brush and rocks, furnishing considerable labor for patients. The work begun on the meadow was pushed the past summer under the favorable conditions of a dry season. The brook was straightened and widened.

The farmer reports another prosperous year. In spite of a dry season and a practical failure of a few vegetable crops the total amount produced on the farm exceeds that of any recent year.

Late in the fall the trustees of the Mt. Hope Cemetery laid an electric main underground, tapping the light wires in the basement of the south wing of the men's department. The Hospital plant will for the present furnish the electricity necessary for lighting the buildings in the cemetery.

New furniture has been purchased during the year. This has been largely of a special design, well made, plain and durable. In the course of a few years we should in this way have a building most excellently equipped with furniture especially adapted to our needs. While the first cost of this quality of goods is higher, by buying such we are making a most wise investment, and its life is much longer than the cheaper grade so much in vogue.

Among other things there have been purchased two large filing cabinets for the medical records, for which we have used the envelope system for several years.

The Training School for Nurses, begun in May, 1899, is now permanently established, and there are two classes. The first one will complete the course this summer. Miss Julia D. Black resigned her position as Superintendent of Nurses and Matron on December 1. Miss M. E. P. Davis was appointed in her place. A new position of Assistant Superintendent of Nurses was made at this time, and Miss Mary E. Hewitt was appointed to fill this position. Miss Hewitt will assist in the class-work of the school and drill the pupils in ward work.

There are now eleven pupils in the second-year class and eight in the first-year class. All nurses entering upon work at the Hospital are expected to join the school. Lectures

by physicians and others are given on Fridays. Each pupil gets several hours practical instruction in massage. Recitations from text-books are held weekly.

I regret to record that Dr. Henry A. Roberts, whose illness obliged him to leave the Hospital over a year ago, has died. Dr. Roberts did very faithful work while here, and his death is most sincerely regretted by all who knew him. Dr. S. W. Crittenden has been appointed to fill the vacancy.

On the nineteenth of April a very successful party was given, to which were invited many former patients and friends of the Hospital. We find this reunion a source of encouragement to those remaining, and a pleasure to those returning.

The Hospital is indebted to the members of the Dorchester Woman's Club, collectively, and to Mrs. Charles T. Ripley and Mrs. McHenry Robinson, especially, for their kindness in providing several entertainments for the patients.

I wish to thank, in behalf of the patients, the Hospital Newspaper Society and the Boston Public Library for an abundance of reading matter.

EDWARD B. LANE,

Superintendent.

1. GENERAL STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1900.

	Males.	Females.	Total.
Patients in Hospital, Dec. 31, 1899.....	247	249	496
Admitted within the year.....	127	202	329
Emergency	18	25	43
Voluntary.....	1	5	6
Transferred.....	.....	4	4
Committed	108	168	276
Whole number of cases	374	451	825
* Discharged within the year.....	121	200	321
Recovered.....	10	24	34
Much improved	1	17	18
Improved.....	19	13	32
Not improved.....	46	104	150
Died.....	40	36	76
Not insane.....	5	6	11
Patients remaining in Hospital, Dec. 31, 1900,	253	251	504
Supported wholly by the city.....	220	191	411
Supported in part by the city.....	13	14	27
Supported as private patients.....	20	46	66
Number of different persons.....	373	444	817
Number of different persons admitted.....	126	197	323
Number of different persons recovered.....	10	24	34
Daily average.....	246.53	246.05	492.58

* There were 34 men and 71 women transferred to other insane hospitals or asylums within the year.

3. RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First.....	115	172	287	.....	.....	.....
Second.....	10	19	29	6	9	15
Third.....	2	8	10	.....	2	2
Fourth.....	.....	1	1	.....	.....	.....
Fifth.....	.....	1	1	.....	2	2
Sixth .....	.....	1	1	.....	2	2
Total of cases.....	127	202	329	6	15	21
Total of persons.....	126	197	323	6	12	18

4. RELATIONS TO HOSPITALS OF PERSONS ADMITTED.

HOSPITAL RELATIONS.	Males.	Females.	Total.
Never before in any hospital for insane.....	104	151	255
Former inmates of this hospital only.....	10	14	24
Former inmates of other hospitals only.....	11	21	32
Former inmates of this and other hospitals.....	1	11	12
Total of persons.....	126	197	323

5. PARENTAGE OF PERSONS ADMITTED.

PLACES.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	9	7	8	8	17	15
New Hampshire	3	3	4	1	7	4
Vermont.....			1		1	
Massachusetts	12	13	12	20	24	33
Rhode Island.....			2		2	
New York.....	1	3	1	1	2	4
New Jersey.....	1	1	1		2	1
Pennsylvania			1		1	
Virginia.....	1	1	2	2	3	3
North Carolina.....	1	1			1	1
South Carolina.....			1	1	1	1
Wisconsin.....	2				2	
District of Columbia...				1		1
Canada.....	2	5	16	13	18	18
Newfoundland			2	2	2	2
Hayti.....			1		1	
England	11	10	8	12	19	22
Ireland.....	58	59	86	86	144	145
Scotland.....	2	2	4	5	6	7
France	1	1	1	1	2	2
Germany.....	6	5	10	8	16	13
Hungary.....			1	1	1	1
Italy	4	3	1	1	5	4
Morocco.....			1	1	1	1
Norway.....	1	1	1	1	2	2
Portugal	2	2			2	2
Russia	5	5	6	6	11	11
Sweden.....	2	2	2	2	4	4
Unknown.....	2	2	24	24	26	26
Total.....	126	126	197	197	323	323

6. RESIDENCE OF PERSONS ADMITTED.

PLACES.	Males.	Females.	Totals.
Suffolk County.....	121	193	314
Middlesex County.....	3	.....	3
Norfolk County.....	.....	3	3
Maine .....	.....	1	1
Rhode Island	2	.....	2
Total	126	197	323

7. CIVIL CONDITIONS OF PERSONS ADMITTED.

NO. OF THE ADMISSION.	UNMARRIED			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First	48	60	108	50	70	120	15	40	55	2	2	4	115	172	287
Second	5	6	11	4	3	7	...	5	5	...	...	...	9	14	23
Third	2	2	4	...	6	6	...	...	...	...	...	...	2	8	10
Fourth	...	...	...	...	1	1	...	...	...	...	...	...	...	1	1
Fifth	...	1	1	...	...	...	...	...	...	...	...	...	...	1	1
Sixth	...	1	1	...	...	...	...	...	...	...	...	...	...	1	1
Total	55	70	125	54	80	134	15	45	60	2	2	4	126	197	323

8. OCCUPATION OF PERSONS ADMITTED.

	Males.		Males.
Barbers . . .	2	Mill operator . . .	1
Bartender . . .	1	Motorman . . .	1
Blacksmiths . . .	2	Night watchman . . .	1
Bookbinder . . .	1	Optician . . .	1
Bookkeepers . . .	3	Paperhanger . . .	1
Brass-finisher . . .	1	Pedlers . . .	3
Business manager . . .	1	Physician . . .	1
Cabinet-maker . . .	1	Plumbers . . .	2
Car conductor . . .	1	Postmaster . . .	1
Carpenters . . .	3	Printers . . .	4
Cigarmakers . . .	2	Rabbi . . .	1
Clerks . . .	10	Real estate agent . . .	1
Driver . . .	1	Sailors . . .	2
Engineers . . .	4	Salesmen . . .	3
Fireman . . .	1	Shoemaker . . .	1
Florist . . .	1	Silk weaver . . .	1
Furniture finishers . . .	2	Stablemen . . .	2
Furniture mover . . .	1	Steamboat employee . . .	1
Freight handler . . .	1	Steward . . .	1
Gardeners . . .	3	Tailors . . .	2
Insurance agent . . .	1	Teamsters . . .	5
Janitor . . .	1	Tinsmith . . .	1
Laborers . . .	16	Watchmaker . . .	1
Lamplighters . . .	2	Window - shade	
Lawyer . . .	1	maker . . .	1
Lineman . . .	1	None . . .	11
Machinists . . .	3	Unknown . . .	2
Meat cutter . . .	1		
Merchants . . .	6	Total . . .	126

	Females.		Females.
Beggar . . .	1	Saleswomen . . .	4
Bookfolders . . .	2	School teachers . . .	5
Clerks . . .	3	Scrubwomen . . .	3
Cooks . . .	2	Seamstresses . . .	9
Corsetmaker . . .	1	Tailoress . . .	1
Domestics . . .	25	Waitresses . . .	3
Dressmakers . . .	3	Washerwoman . . .	1
Housewives . . .	81	None . . .	50
Milliner . . .	1		
Nurse . . .	1	Total . . .	197
Paper-boxmaker . . .	1		

9. PROBABLE CAUSES OF DISEASE IN PERSONS ADMITTED.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1. PHYSICAL.									
Apoplexy.....	1	7	8	....	....	....	....	1	1
Auto-intoxication .....	....	1	1	....	....	....	....	1	1
Congenital	7	3	10	....	....	....	....	....	....
Diabetes.....	....	1	1	....	....	....	....	....	....
Epilepsy.....	1	5	6	....	....	....	....	....	....
Heredity	2	10	12	....	2	2	2	10	12
Ill health.....	7	21	28	....	1	1	....	....	....
Injury	1	....	1	....	....	....	....	....	....
Injury to head.....	4	....	4	....	....	....	....	....	....
Intemperance.....	22	11	33	2	1	3	1	4	5
Masturbation	1	....	1	....	....	....	....	....	....
Organic brain disease..	....	2	2	....	....	....	....	....	....
Overwork	1	6	7	....	....	....	....	1	1
Puerperal .....	....	4	4	....	....	....	....	....	....
Pregnancy.....	....	2	2	....	....	....	....	1	1
Senility.....	20	35	55	....	....	....	....	5	5
Sunstroke	1	....	1	....	....	....	....	....	....
Syphilis.....	8	3	11	....	....	....	....	....	....
2. MENTAL.									
Bereavement. ....	....	5	5	....	....	....	....	1	1
Business trouble.....	3	1	4	....	....	....	....	....	....
Domestic trouble	2	....	2	....	....	....	1	...	1
Neglect.....	....	1	1	....	....	....	....	....	....
Poverty	1	....	1	....	....	....	....	....	....
Worry	1	2	3	...	....	...	....	1	1
Unknown ..	39	72	111	2	5	7	....	16	16
Total	122	192	314	4	9	13	4	41	45

10. RECORD OF CASES ADMITTED WITHIN THE YEAR.

PATIENTS.	MALES.	FEMALES.	TOTAL.
Admitted.....	127	202	329
*Discharged, recovered	3	15	18
" much improved	1	9	10
" improved	14	5	19
" not improved.....	21	42	63
Died.....	18	25	43
Not insane.....	4	6	10
Remaining December 31, 1900	66	100	166
Number likely to recover.....	9	14	23
" " " improve	11	9	20

*Of the cases discharged there were 16 men and 19 women transferred to other insane hospitals or asylums.

11. AGES OF INSANE AT FIRST ATTACK; ADMISSION AND DEATH.

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.			PERSONS DIED.			
	AT FIRST ATTACK.			AT FIRST ATTACK.			
	Males.	Females.	Total.	Males.	Females.	Total.	
Congenital	6	3	9	1	.....	1	.....
15 years and less .....	.....	4	4	1	.....	1	.....
From 15 to 20 years	4	3	7	.....	1	1	.....
“ 20 to 25 “	6	16	22	1	3	4	.....
“ 25 to 30 “	14	17	31	1	2	3	.....
“ 30 to 35 “	9	22	31	3	3	6	.....
“ 35 to 40 “	15	23	38	5	1	6	.....
“ 40 to 50 “	17	34	51	6	7	13	.....
“ 50 to 60 “	13	28	41	4	9	13	.....
“ 60 to 70 “	7	18	25	5	4	9	.....
“ 70 to 80 “	14	10	24	7	3	10	.....
Over 80 years	1	3	4	2	1	3	.....
Unknown	16	11	27	4	2	6	.....
Total of persons	122	192	314	40	36	76	76
Mean ages	44.55	42.50	43.23	52.69	47.62	50.19	56.36
							</

12. REPORTED DURATION OF DISEASE BEFORE LAST ADMISSION.

PREVIOUS DURATION.	FIRST ADMIS- SION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Congenital.....	5	3	8	.....	.....	.....	5	3	8
Under 1 month.....	15	26	41	3	4	7	18	30	48
From 1 to 3 months.....	12	31	43	1	2	3	13	33	46
“ 3 to 6 “.....	10	15	25	.....	3	3	10	18	28
“ 6 to 12 “.....	11	10	21	.....	.....	.....	11	10	21
“ 1 to 2 years.....	15	20	35	1	3	4	16	23	39
“ 2 to 5 “.....	19	27	46	5	8	13	24	35	59
“ 5 to 10 “.....	6	12	18	.....	2	2	6	14	20
“ 10 to 20 “.....	1	6	7	1	4	5	2	10	12
Over 20 years.....	1	2	3	.....	2	2	1	4	5
Unknown.....	16	11	27	.....	.....	.....	16	11	27
Not insane.....	3	4	7	1	2	3	4	6	10
Total of persons.....	114	167	281	12	30	42	126	197	323
Average in years.....	1.61	2.53	2.18	3.14	4.52	4.41	1.77	2.84	2.46

13. FORM OF MENTAL DISEASES IN CASES ADMITTED OR DISCHARGED, WITH CONDITION ON DISCHARGE.

FORM OF DISEASES.	CASES ADMITTED.			CASES DISCHARGED.																	
				Recovered.		Much Improved.		Improved.		Not Improved.		Died.		Not Insane.		Aggregate.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
Mania, acute.....	7	8	15	2	4	6	...	2	2	4	2	6	2	2	4	1	2	3	9	12	21
“ chronic.....	...	1	1	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	1	1
“ recurrent.....	...	4	4	...	1	1	...	2	...	...	...	...	...	1	1	...	...	...	...	4	4
Melancholia, acute.....	11	33	44	4	10	14	...	2	2	2	1	6	3	6	9	...	7	7	...	12	38
“ attonita.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
“ chronic.....	2	7	9	...	...	...	...	...	...	...	2	2	1	4	5	...	...	2	...	3	9
“ recurrent.....	...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
“ simple.....	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dementia, epileptic.....	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
“ organic.....	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
“ post-paralytic.....	...	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
“ senile.....	21	23	44	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2
“ terminal.....	14	8	22	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	...	...	5
Alcoholic insanity.....	7	11	18	3	3	6	...	...	...	...	2	5	18	20	38	...	7	11	...	7	27
Confusional “ acute.....	2	3	5	...	1	1	...	2	2	...	...	...	...	...	...	...	4	7	...	20	50
Delusional “ “.....	4	8	12	1	3	4	...	1	1	2	1	3	1	1	2	...	6	1	...	27	18
“ chronic.....	10	4	14	...	...	...	1	...	...	...	...	...	...	...	...	...	5	6	...	5	6
“ “.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	4	10
“ primary.....	...	8	8	...	...	...	...	1	1	...	...	...	2	4	6	...	...	...	...	3	7
Epileptic “.....	1	1	2	...	...	...	...	1	1	...	...	1	...	1	1	...	...	...	...	2	2
Hallucinatory “ acute.....	...	2	2	...	1	1	...	...	...	...	...	1	...	1	1	...	2	2	...	3	5
																				2	2

[illegible]

14. DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

NUMBER OF THE ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First.....	10	23	33	1	14	15	18	11	29	45	91	136	35	35	70	4	4	8	113	178	291
Second.....	....	1	1	....	2	2	1	1	2	1	10	11	5	....	5	1	2	3	8	16	24
Third.....	....	....	....	....	....	....	....	....	....	....	2	2	....	1	1	....	....	....	....	3	3
Fourth.....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	1	1
Fifth.....	....	....	....	....	1	1	....	....	....	....	1	1	....	....	....	....	....	....	....	2	2
Total.....	10	24	34	1	17	18	19	13	32	46	104	150	40	36	76	5	6	11	121	200	321

15. CAUSES OF DEATH.

CAUSES.	Males.	Females.	Totals.
<i>Nervous system :</i>			
Alcoholism... ..	1	1	2
Epilepsy... ..	1	.....	1
Exhaustion from alcoholic insanity.....	.....	2	2
“ “ post-paralytic “	1	1	2
“ “ senile “	4	1	5
“ “ acute mania.....	1	.....	1
“ “ “ melancholia.....	.....	2	2
“ “ senile dementia.....	1	1	2
“ “ terminal “	1	.....	1
General paralysis.....	10	3	13
Organic brain disease.....	.....	3	3
<i>Respiratory system :</i>			
Broncho-pneumonia.....	.....	6	6
Croupous “ .....	.....	1	1
Empyema.....	1	.....	1
<i>La Grippe</i>	1	.....	1
Phthisis.....	.....	3	3
<i>Circulatory system :</i>			
Cerebral hæmorrhage.....	2	4	6
Heart disease.....	4	3	7
Pernicious anæmia.....	.....	1	1
<i>Digestive system :</i>			
Diarrhœa	1	.....	1
Cancer of rectum.....	.....	1	1
<i>General :</i>			
Chronic nephritis.....	2	1	3
Erysipelas.....	2	.....	2
Old age.....	5	1	6
Suicide by drowning.....	.....	1	1
“ “ hanging	1	.....	1
Uræmia.....	1	.....	1
Total.....	40	36	76

16. RECOVERIES CLASSIFIED BY DURATION OF DISEASE AND OF TREATMENT.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	Duration Before Admission.			Hospital Residence.			Whole Known Period of Mental Disease.			Whole Known Period of Hospital Residence.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 month.....	6	13	19	.....	2	2	.....	2	2	.....	2	2
From 1 to 3 months..	1	4	5	2	10	12	2	.....	.....	.....	7	7
“ 3 to 6 “ ..	1	2	3	2	10	12	1	.....	.....	.....	7	9
“ 6 to 12 “ ..	.....	2	2	5	2	7	4	.....	.....	.....	7	13
“ 1 to 2 years.....	.....	2	2	.....	.....	.....	.....	3	3	.....	.....	.....
“ 2 to 5 “ ..	2	1	3	.....	.....	.....	2	1	3	.....	.....	.....
“ 5 to 10 “ ..	.....	.....	.....	1	.....	1	1	.....	1	.....	.....	1
“ 10 to 20 “ ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Over 20 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown .....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	1	2
Total	10	24	34	10	24	34	10	24	34	10	24	34
Average of known cases (in months),	5.53	4.18	4.59	16.10	3.44	7.16	21.63	8.13	12.09	18.28	4.48	8.36

17. DEATHS CLASSIFIED BY DURATION OF DISEASE AND OF TREATMENT.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	Duration before Admission.			Hospital Residence.			Whole known Period of Mental Disease.			Whole known Period of Hospital Residence.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Congenital	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
Under 1 month.....	3	5	8	7	11	18	2	.....	3	6	12	18
From 1 to 3 months..	3	9	12	7	10	17	1	6	7	7	7	14
“ 3 to 6 “ ..	3	2	5	5	4	9	3	6	9	2	5	7
“ 6 to 12 “ ..	5	4	9	7	7	14	2	3	5	9	6	15
“ 1 to 2 years....	3	4	7	5	3	8	3	8	11	4	5	9
“ 2 to 5 “	10	5	15	5	1	6	14	5	19	5	.....	5
“ 5 to 10 “	4	3	7	2	.....	2	3	2	5	.....	.....	.....
“ 10 to 20 “	3	1	4	.....	.....	.....	3	2	5	1	1	2
Over 20 years.....	.....	1	1	2	.....	2	3	2	5	2	.....	2
Unknown	5	2	7	.....	.....	.....	5	2	7	4	.....	4
Total.....	40	36	76	40	36	76	40	36	76	40	36	76
Average of known cases (in months),	34.93	38.34	36.65	34.35	5.56	20.72	73.88	44.22	59.05	35.95	8.35	22.15

ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH DISCHARGES AND DEATHS WITHIN THE PAST YEAR, AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING DECEMBER 31, 1900. — *Concluded.*

YEARS ENDING DEC. 31.	READMITTED CASES.																Remaining of Each Year's Admissions, Dec. 31, 1900.	
	ADMITTED.				DISCHARGED AND DIED IN 1900.													
					Recovered.		Much Improved.		Improved.		Not Improved.		Died.		Not Insane.			
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.		Females.	Total.
Previous years.....	299	252	551	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1890.....	11	15	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1891.....	12	8	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1892.....	5	8	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1893.....	9	14	23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1894.....	7	12	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895.....	9	10	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1896.....	8	9	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1897.....	11	17	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1898.....	17	24	41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1899.....	12	26	38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900.....	12	30	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	412	425	837	1	1	2	3	1	1	13	14	5	2	7	1	2	251	504

APPENDIX I.

RULES AND BY-LAWS OF THE TRUSTEES OF THE
BOSTON INSANE HOSPITAL.

CHAPTER I.

Organization and Meetings.

SECTION I. At the first regular meeting of the Board of Trustees in each year, after the annual appointments of members by the Mayor, the Board will organize for the ensuing year by the choice of one of their number as Chairman, and of another as Secretary, both of whom shall serve until their successors are chosen.

SECT. II. The regular meetings of the Board will be held monthly at such times and places as may be agreed upon. Special meetings may be called by the Chairman, upon the request of two members, or whenever he may deem it to be necessary or expedient.

SECT. III. The Chairman will preside at all meetings, prepare the annual report of said Board, and perform such other duties as ordinarily devolve upon a Chairman. In case of his death or resignation, a new Chairman shall be chosen at a special meeting to be immediately called by the Secretary. In case of his prolonged sickness or absence, a Chairman *ad interim* shall be chosen.

SECT. IV. The Secretary shall keep a full and complete record of the proceedings of said Board, give due notice of all regular or special meetings, receive and issue all communications, documents, statements and notices in which the Board is interested, under the direction of the Chairman, and arrange for reports showing a full account of the Hospital and its finances, for each monthly meeting. He is authorized to employ the Clerk at the Hospital to assist him in the performance of his duties.

SECT. V. As soon as practicable, after the organization of the Board, the Chairman shall appoint the following standing committees for the year, consisting of two members each:

On Rules.

On Supplies.

On Finances.

On Medical Department and Library.

On Service.

On Buildings and Grounds.

On Insane in other Hospitals.

The duties of these several committees shall be as follows :

1. The Committee on Rules shall consider all matters affecting changes in these By-Laws and the management of the Hospital as may from time to time arise.

2. The Committee on Supplies shall supervise the purchasing of supplies required for the Hospital in all of its departments, prepare and control a proper system of requisitions, checks, balances, and accounting for the same, and superintend this portion of the Hospital work.

3. The Committee on Finance shall prepare annual estimates, advise concerning appropriations, and in general consider all plans affecting the financial management of the Hospital.

4. The Committee on Medical Department and Library shall have charge of the medical staff of the Hospital, and the medical care of the patients, and the procurement of such instruments and drugs through the Committee on Supplies as may be needed from time to time. All plans affecting the medical side of the Hospital or the improvement of the Hospital Library shall be submitted to this committee in the first instance.

5. The Committee on Service shall have general supervisory power in determining the kind of service which may be required and the compensation to be paid therefor.

6. The Committee on Buildings and Grounds shall have charge of all matters affecting the improvement, enlargement, repairing or care of the buildings and grounds used for hospital purposes.

7. The Committee on Insane in other hospitals shall keep an accurate record of the Pauper Insane of the City of Boston boarded out elsewhere, and have general supervisory power over the questions arising in connection with the care of the patients. All applications for transfers shall be submitted to this committee.

SECT. VI. Each committee shall have the power to expend a sum of money not to exceed one hundred (100) dollars in carrying out its work, without first obtaining the approval of the Board. No sum greater than said amount shall be expended without the consent of a majority of said Board. Exceptions to this rule may be made in emergencies, when the appropriate sub-committee agrees with the Superintendent that the best interests of the Hospital require such action.

SECT. VII. The Chairman shall appoint Visiting Committees, two members each, one going out and one being added each month, who shall pay frequent visits to the Hospital, and consult with the Superintendent on matters of minor administration and details, and see that all requirements are complied with. They shall obtain a list of patients from the Superintendent, keep a record book of their observations at each institution and such records of admissions, discharges, and deaths as are deemed proper. These records may be inspected by the Board at its regular monthly meeting.

SECT. VIII. Whenever an official to be employed in the Hospital is to be chosen, due notice of this fact shall be stated by the Secretary in sending out notices of the meeting.

SECT. IX. Four members shall constitute a quorum for the transaction of business. But no vote involving the disposal of property of the Hospital to an amount exceeding five hundred (500) dollars shall be considered valid unless at least four members have voted in its favor.

SECT. X. The salaries of all officers and employees shall be determined by the Board of Trustees.

CHAPTER II.

Appointments.

SECTION I. The Board of Trustees shall appoint a Superintendent for the Boston Insane Hospital, who shall hold office until his successor shall be appointed.

SECT. II. The Board shall appoint an Associate Superintendent and such additional officials as may be required in performing the work of the Hospital, on nomination of the Superintendent. All officials and employees must be confirmed by the Board of Trustees within three months.

SECT. III. Any official or employee may be removed by the Board of Trustees at its pleasure.

SECT. IV. Additional employees may be appointed from time to time, and vacancies may be filled by the Board on nomination of the Superintendent.

SECT. V. A record shall be kept of donations and bequests given to the Hospital.

CHAPTER III.

Duties of the Superintendent.

SECTION I. The Superintendent shall be a physician, and shall reside at the Boston Insane Hospital, and in all matters herein mentioned shall be under the direction of the Board of Trustees and responsible to said Board. Subject to this limitation only, he shall have authority over all subordinate officers, employees and patients, control of the several departments, and charge of the grounds, buildings and property of the Hospital. He may make such regulations for the government thereof as are approved by said Board.

SECT. II. He shall, from time to time, as vacancies occur, appoint and employ, subject to the approval of the Trustees, such persons as may be necessary for the proper conduct and service of the Hospital.

SECT. III. He shall prevent waste and carelessness in the several departments, and report all omissions of duty, or disorderly conduct on the part of those persons under his direction, to the Board.

SECT. IV. He shall, under the direction of the Trustees, purchase the provisions, stores, fuel, and supplies, examine the quality, quantity, and price of articles purchased, and be responsible for their proper and economical use.

SECT. V. He shall cause to be kept a record of all contracts and bills, vouchers, pay-rolls, moneys received and disbursed, and all other information affecting the financial management of the Hospital, and a transcript of these records shall be submitted to the Board of Trustees monthly.

SECT. VI. He shall keep an inventory of all property belonging to the Hospital, and permit none of said property to be taken therefrom without his consent.

SECT. VII. He shall provide the diet lists for patients, and arrange for the food for officers and employees, subject to the approval of the Board.

SECT. VIII. He shall make daily visits and inspections of wards, kitchens, laundry-rooms, engine-rooms, and all other departments, or cause said visits and inspections to be made by the Associate Superintendent.

SECT. IX. He shall keep full and complete records of each patient (open only to the inspection of the Trustees and to the medical staff of the Hospital), containing the following information :

1. Name, age, and residence.
2. Time of entrance, discharge, or death.
3. The physical and mental condition, particularly at time of discharge.
4. Rates of board and security therefor.
5. Important facts in the personal history of patient.

Records shall also be kept of all cases of confinement and restraint, with the names of patients, the kind of confinement and restraint, when and how long applied, for what reason, and by whose authority. Also records of all casualties attending the elopement or death or injury to any patient. These several reports shall be submitted to the Visiting Committee at the earliest opportunity, and signed by said committee, as proof of said submission.

SECT. X. He shall, upon the death of a patient, immediately inform the friends, and give the notice required by law to the proper officer. Of this and all other official correspondence he shall keep a press copy. He shall cause the body to be kept until applied for by the friends, or, if not applied for, after a reasonable time, it shall be disposed of according to law. In case of any violent death they shall cause a Medical Examiner to be summoned.

SECT. XI. He shall have a vacation every year, by arrangement with the Board of Trustees, and so far as he may find it practicable he shall allow a yearly vacation of two weeks to each of the resident officers and employees. Leaves of absence may

be obtained at other times for special causes, with the knowledge and consent of the Chairman, or, in his absence, of the Secretary of the Board.

CHAPTER IV.

Other Officers.

SECTION I. The Associate and Assistant Superintendents shall be physicians. They and all other officers shall reside in the Hospital, and perform such duties as may be assigned to them by the Superintendent, of the Board of Trustees, from time to time.

CHAPTER V.

Patients.

SECTION I. No fee or gift from patients or friends of patients is allowed to be received by any officer or employee of the Hospital, while the patient is an inmate of the Hospital.

SECT. II. Private patients may be received on such terms, and for such compensation, as the Board may determine, and bonds or security or payment in advance may be required therefor.

SECT. III. No patient believed to be suicidal shall ever be left without an attendant, if any means of self-destruction are at hand. An attendant shall be actually present in each ward, except during the night watch. A night supervisor shall pass through each ward every hour during the night, from 10 P.M. to 6 A.M., and a watcher shall be constantly present whenever needed.

SECT. IV. All patients must comply with the rules and regulations established by the Board of Trustees, or the Superintendent.

CHAPTER VI.

Visitors.

SECTION I. On Wednesday afternoon of each week friends may be permitted to visit patients. All visitors shall leave the Hospital at the expiration of the visiting hour. No person shall visit any part of the premises, except on business, and with permission of the Superintendent.

SECT. II. In all cases the Trustees and the Superintendent may exercise discretionary power to admit visitors, at other times, and under different conditions, and to exclude visitors.

SECT. III. No visitor shall take any meal in the Hospital, or pass the night therein without permission of the Superintendent.

SECT. IV. Any article sent to a patient shall be left at the entrance office. No visitor will be allowed to give articles of food or drink to a patient, unless by permission of the Superintendent in charge of the ward.

CHAPTER VII.

General Rules.

SECTION I. The subordinate officers and employees may be required to perform extra services, when occasion demands it, at the request of the Superintendent.

SECT. II. No male subordinate officer, employee, or patient shall be admitted to the female wing of the Hospital, and no female subordinate officer, employee, or patient shall be admitted to the male wing of the hospital without the knowledge and consent of the Superintendent.

SECT. III. No company shall be admitted to any part of the Hospital to visit subordinate officers or employees, without permission from the Superintendent.

SECT. IV. No attendant or nurse employed in the Hospital shall be sent out to private cases without the consent of the Board.

CHAPTER VIII.

Amendments.

Any alteration or amendment of these rules may be made by a vote of two-thirds of the Trustees, notice of the same having been given one week before action on the same.

APPENDIX II.

OFFICERS AND EMPLOYEES.

1900.

Superintendent	\$2,500 00	Per year.
Associate Superintendent	2,000 00	" "
Assistant Physicians (3)	1,000 00 to \$1,400 00	" "
Superintendent of Nurses and Matron	600 00	" "
Farmer	900 00	" "
Steward	1,000 00	" "
Assistant Steward	40 00	" month.
Stenographer	10 00	" week.
Chief Engineer	70 00	" month.
Assistant Engineers (5)	35 00 to \$50 00	" "
Carpenter	60 00	" "
Baker	55 00	" "
Cooks (5)	22 00 to 50 00	" "
Assistant Cook	15 50	" "
Laundryman	35 00	" "
Supervisor (male)	45 00	" "
Supervisor (female)	25 00	" "
Assistant Supervisor (male)	30 00	" "
Assistant Supervisors (female, 2)	25 00	" "
Attendants (male, 46)	20 00 to 50 00	" "
Attendants (female, 30)	14 00 to 20 00	" "
Domestics (7)	3 50 to 4 00	" week.
Laundry Matron	22 00	" month.
Laundresses (6)	15 50 to 20 00	" "
Clerk	12 00	" "

On January 31, 1900, there were 121 persons on the pay-roll, and the amount expended for salaries and wages was \$45,839.65.

1901.

Superintendent	\$2,500 00	Per year.
Associate Superintendent	2,000 00	" "
Assistant Physicians (3)	900 00 to \$1,500	" "
Superintendent of Nurses and Matron	1,000 00	" "
Assistant Superintendent of Nurses and Assistant Matron	600 00	" "
Farmer	900 00	" "
Steward	1,000 00	" "
Assistant Steward	50 00	" month.
Stenographer	10 00	" week.

Chief Engineer	\$75 00	Per month.
Assistant Engineers (5)	35 00 to \$50 00	" "
Carpenter	60 00	" "
Baker	55 00	" "
Cooks (6)	22 00 to 50 00	" "
Assistant Cook	15 50	" "
Laundryman	35 00	" "
Supervisor (male)	45 00	" "
Supervisor (female)	35 00	" "
Assistant Supervisor (male)	30 00	" "
Assistant Supervisor (female)	25 00	" "
Attendants (male, 47)	20 00 to 60 00	" "
Attendants (female, 29)	14 00 to 20 00	" "
Domestics (7)	3 50 to 4 00	" week.
Laundry Matron	22 00	" month.
Laundresses (6)	15 50 to 20 00	" "
Clerk	12 00	" "

On January 31, 1901, there were 122 persons on the pay-roll, and the estimated amount for salaries and wages is \$47,000.

REAL ESTATE.

130.46 acres of land, five hospital buildings, two administration buildings, chapel building, dwelling-house, two boiler-houses, two ice-houses, two barns, stable, hennery, two outbuildings, two heating and lighting plants, as per assessors' valuation	\$693,464
Personal property, as per inventory	47,125

CLASSIFIED EXPENDITURES FOR 1900-01.

Amount of appropriation	\$125,000 00
Salaries and wages	\$45,839 65
Food	26,197 17
Clothing	2,701 93
Bedding	1,371 00
Fuel	12,589 26
Light	1,772 29
Medical supplies	1,426 03
Furniture, upholstery and utensils	4,384 50
Household supplies	1,663 20
Agricultural (farm, garden, live stock, stable and grounds)	7,634 71
Industries (machinery, tools, and supplies used in industrial department)	202 26
Religious services	388 40
School supplies	85 50
Entertainment of inmates	518 54
Library supplies	153 15
Telephone and telegraph	317 03
Ice	787 74
Water	608 60
Tobacco and snuff	404 80
Laundry supplies	557 69
Postage	194 26
Office books and stationery	157 16
Printing	403 43
Repairs and improvements	13,663 81
Transportation	151 76
Burial expenses	10 00
Entertainment of City Government	21 65
Others as they may arise	794 48
Total	\$125,000 00
Income	\$18,289 31
Daily average number of patients	492.6
Gross weekly per capita cost	\$4 87
Net weekly per capita cost	\$4 15
Balance remaining from special appropriation for electric plant	\$7,919 56
Amount expended	\$7,919 56

INSANE IN STATE INSTITUTIONS.

Amount appropriated	\$192,000 00
Amount transferred	3,499 89
Total	<u>\$195,499 89</u>
Amount expended	<u>\$195,499 89</u>
Income	<u>\$2,393 20</u>

GARDEN PRODUCTS.

Apples	Bushels	320½	\$192 30
Asparagus	Bunches	776	62 08
Beans, lima	Bushels	10½	6 30
“ shell	“	14¼	7 13
“ string	“	64½	32 25
Beets	Bunches	96	2 88
“ table	Bushels	311	124 40
Beet greens	“	20	5 00
Brussels sprouts	“	9	18 00
Cabbage	Heads	10,187	305 61
Carrots	Bushels	260	130 00
Cauliflower	Heads	500	40 00
Celery	“	3,380	202 80
Corn, sweet	Dozen	1,582½	158 25
Cucumbers, large		3,572	53 58
Dandelions	Bushels	157½	39 38
Lettuce	Heads	4,923	123 08
Melons, musk		675	40 50
Mustard greens	Bushels	74	18 50
Onions	“	152	136 80
“	Bunches	90	4 50
Parsley	“	40	1 20
Parsnips	Bushels	280	182 00
Peas	“	50½	75 75
Peppers	Bushel	¼	50
Pepper Grass	Bushels	15	5 25
Potatoes	“	328	196 80
Radishes	Bunches	521	13 03
Rhubarb	Pounds	4,671	70 07
Spinach	Bushels	116	34 80
Swiss chard	“	129	32 25
Squash, summer	Pounds	136	1 36
“ winter	“	7,905	79 05
Tomatoes	Bushels	80½	40 25
“ green	“	15	7 50
Carried forward			<u>\$2,443 15</u>

<i>Brought forward</i>	.	.	.	.	.	\$2,443 15
Turnips, white	.	.	Bushels	30		9 00
“ ruta-baga	.	.	“	60		30 00
Blackberries	.	.	Boxes	405		32 40
Currants	.	.	“	1,275		76 50
Gooseberries	.	.	“	42		6 30
Grapes	.	.	Pounds	1,650		33 00
Pears	.	.	Bushels	44 $\frac{1}{4}$		66 38
Raspberries	.	.	Boxes	37		3 70
Strawberries	.	.	“	1,306		130 60
Total	.	.	.	.	.	<u>\$2,831 03</u>

FARM PRODUCTS.

Ensilage	.	.	Tons	190		\$855 00
Fodder, green	.	.	“	165		660 00
Hay, English	.	.	“	131		2,947 50
“ Meadow	.	.	“	21		210 00
“ second crop	.	.	“	5		80 00
Turnips (for stock)	.	.	“	37 $\frac{1}{2}$		243 75
Mangel-wurzel	.	.	“	26 $\frac{1}{2}$		132 50
Beef	.	.	Pounds	9,423		753 84
Eggs	.	.	Dozen	1,602		320 40
Poultry	.	.	Pounds	461		71 46
Hides	.	.	“	918		64 26
Milk	.	.	Cans	20,003 $\frac{1}{2}$		7,001 23
Pork	.	.	Pounds	23,293		1,514 05
Tallow	.	.	“	684		17 10
Ice	.	.	Tons	130		260 00
Calves and shoats (sold)	.	.				22 00

Total \$15,153 09

Garden products \$2,831 03
 Farm products 15,153 09

Total \$17,984 12



FOURTH ANNUAL REPORT
OF THE
INSTITUTIONS REGISTRATION DEPARTMENT
FOR THE YEAR 1900-1901.

OFFICE OF THE INSTITUTIONS REGISTRAR,
28 COURT SQUARE, BOSTON, March 1, 1901.

HON. THOMAS N. HART,
Mayor of the City of Boston:

SIR, — The report of the Institutions Registration Department for the year ending January 31, 1901, is respectfully submitted in accordance with Chapter 3, Section 22, of the Revised Ordinances.

This department has been in existence for three and a half years, in which time its value to the various co-ordinate departments has been fully demonstrated. It is now in close touch with the Pauper Institutions Department, Insane Hospital Department, Children's Institutions Department, Penal Institutions Department, and the Overseers of the Poor.

FUNCTIONS OF THE DEPARTMENT.

The law creating this department designates as its duties "the investigation of all questions relative to the settlement of paupers, to the commitment of the insane, or to the agency for discharged prisoners, or to any rights, duties or liabilities connected therewith," and in addition certain less clearly defined duties "relating to the accounts, and to the collection, registration, and tabulation of statistics." These

duties, not definitely understood at first, are now fairly well settled, and this department by reason of its past experience is better able to perform its various functions, and to render itself useful to the departments which avail themselves of its co operation.

LEGAL SETTLEMENTS.

The investigation and determination of the legal settlements of applicants for admission to the City Institutions is a most important part of the work of this department, as improper decisions of settlements would entail on the City of Boston the expense of supporting sane or insane paupers for the balance of their lives. Men of skill and experience are employed to make outside investigations into the histories of insane and sane paupers, and insane and pauper children, visiting their homes or their relatives and friends and securing evidence by which their legal settlement may be determined. This particular service requires much delicacy and tact, in order that the persons interviewed may not take offence, and refuse to give information so necessary to a correct determination of the legal status of the applicants. The total number of settlements investigated during the past year is 4,923. In addition to the applications for admission to institutions made in this office, the City has supported a large number of deficient in the State Institutions, many of whom are admitted from other towns and cities, thus making the investigations more complicated. The bills for the support of these persons are rendered quarterly to this department by the State Board of Charity and the State Institutions, and are carefully examined before being forwarded to the several departments for final approval. The bulletin printed in this report shows the number of Boston cases supported by the City in State Institutions.

ADMISSION OF PAUPERS AND COMMITMENT OF INSANE TO CITY AND STATE INSTITUTIONS.

By request of the Pauper Institutions Trustees the Institutions Registrar acts as the agent of that board in receiving applications for admission to State and City Almshouses, having discretion to grant or refuse such applications according to the merits of the cases presented. Applications are made to this office during every working day, being usually larger in the winter months. During the year 3,980 applications have been made, of which 690 have been admitted to

the Boston Almshouse and Hospital on Long Island, 42 to the Charlestown Almshouse, 5 to the State Sanatorium and 1,627 to the State Hospital at Tewksbury, these latter having no legal settlements in Boston. The remaining 1,616 applications were either withdrawn or refused.

The relations of this department to the Insane Hospital Trustees are outlined in that portion of the law establishing this department which describes as one of its duties "the commitment of the insane."

The statutes provide that alleged insane persons must be examined by two competent physicians who shall testify before the Court as to their insanity. Two expert physicians, Drs. George F. Jelly and Thomas Waterman, are regularly employed by this department in said service with occasional outside assistance. During the year they have examined 1,025 persons, of which number 180 have been sent to the Observation Hospital at Deer Island, 249 to the Boston Insane Hospital, and 530 to State Institutions.

APPLICATIONS FOR DISCHARGE FROM LONG ISLAND.

By request of the Pauper Institutions Trustees this department has undertaken a new duty: that of receiving and investigating applications for discharges from the Almshouse, Long Island. Heretofore such applications have been made to the superintendent of that institution, who had no facilities for inquiring into the merits of the cases, and no foundation upon which to base his decision. This department now sends an official to the island one day in each week, and receives the applications for discharges on appropriate blanks. They are then investigated and reported upon favorably or unfavorably, as facts may determine. In many cases unnecessary hardship to the inmates is prevented by this new arrangement, as formerly inmates would apply for a discharge who had no home to go to, and no friends to support them, and they would be thrown upon the mercy of the world with no refuge but a new application for admission to the Almshouse. It is gratifying to learn from the superintendent of the Almshouse that the plan is working very successfully, and is the means of saving many inmates from distress and exposure.

WEEKLY BULLETIN.

As foreshadowed in the annual report of last year, this department has issued a weekly bulletin showing the movement of population in all the City Institutions and of the

City cases in State Institutions. This bulletin when started, on April 7, 1900, included only the Penal, Pauper, Children, and Insane Departments. On June 16 it was enlarged by the addition of the Overseers of the Poor Department and Suffolk County Jail, and on September 22 it was still further enlarged and completed by the addition of the Police, City Hospital, Health, Soldiers' Relief and Institutions Registration Departments, and the Agency for Discharged Prisoners; so that it now includes all of the City departments engaged in the disbursement of public moneys for temporary aid or for full support. The last issue of the bulletin, prior to the expiration of the official year, is printed on another page of this report and shows that during the week ending Saturday, January 26, 1901, the City of Boston fully or partly supported 12,698 dependents, deficient, and delinquents, of whom 9,274 remained in charge of the City at the close of the week; 1,266 of whom were in State and 8,008 in City Institutions. This valuable information is now available for the first time in the history of Boston.

WEEKLY MOVEMENT OF POPULATION IN INSTITUTIONS.

Prominent on the walls of this department are charts, upon which is kept the movement of the population in the Penal, Children's, Pauper, and Insane Departments for the calendar year. By these charts one can note at a glance the weekly increase or decrease of inmates in the several departments. Reproductions of these charts are herewith submitted.

THE ROUNDER PROBLEM.

The policy adopted by the Pauper Institutions Trustees in 1899 of refusing to admit able-bodied vagrants to the Almshouse has been continued throughout the past year with good results. This department in the execution of said policy has continued to reject applicants who are poor only because of their own dissipated and immoral habits, except such cases as stood in immediate need of hospital treatment. In many cases they have been referred to the police officer specially detailed in charge of vagrants. Since the last annual report the total number of these cases brought to trial was 58, all of whom were convicted. The following table contains interesting facts relative to these vagrants. Among the more noticeable facts are the average age of the men, 45 years; average number of times in prison 5; the average number of times in the Almshouse 8, and the fact that 30

are unmarried. Of the whole number, 34 appear to have been born in Boston.

VAGRANTS.

	Males.	Females.	Total.
Brought to trial.....	46	12	58
Sentenced by court.....	46	12	58
Acquitted by court.....	—	—	—
Age, maximum.....	81	72	—
Age, minimum.....	19	35	—
Age, average.....	45+	49+	—
Number of times previously in prison:			
Maximum.....	42	42	—
Average.....	5+	14+	—
Number of times previously in almshouse:			
Maximum.....	37	21	—
Average.....	8+	6+	—
Sentenced to State Farm, Bridgewater.....	38	4	42
Sentenced to House of Correction, Deer Island,	8	8	16
Social Condition:			
Single.....	30	6	36
Married.....	3	4	7
Widowers.....	9	—	9
Widows.....	—	—	—
Separated.....	4	2	6
Nationality:			
United States.....	34	6	40
Boston.....	29	5	34
Massachusetts.....	3	1	4
New England.....	1	—	1
Other States.....	1	—	1
Ireland.....	8	3	11
Scotland.....	1	2	3
Nova Scotia.....	1	1	2
Germany.....	2	—	2

REGISTRATION.

The new system of registering information relative to the dependent and delinquent classes supported by the municipality, which was begun in the fall of 1899, has, during the past year, been extended to pauper, insane, penal and outdoor poor cases. This department has thus gradually realized its object of becoming a repository for the kind of information in question, and has thereby established closer working relations with the other departments dealing with various groups of public charges. It has, in fact, become a connecting link between them. The methods employed have proved entirely workable and so far satisfactory. Any misgivings that the system devised might prove cumbersome, time-consuming and costly in disproportion to its usefulness have

been dispelled, and it has commended itself to other communities for adoption.

The final object is not attained merely by harmonizing and unifying methods of keeping records. This department must also become a distributing centre of the information it collects. In this respect progress has been made and substantial services have been rendered other departments and individuals. Affiliated departments have also been assisted in making a larger use of the facts concerning persons in their immediate care. The statistics of persons housed at the Lodge for Wayfarers and of those aided in other ways by the Overseers of the Poor have been tabulated and analyzed, — a work of some magnitude, since it involves about 12,000 cases.

Finally it is a function of this department to utilize so far as possible for independent research the material accumulated, or in other ways at its disposal, for the purpose of adding to our knowledge of certain phases of the problems that are daily pressing upon the departments charged with the care of the public wards of the City.

The appended report dealing with recidivists among misdemeanants represents an initial step in this direction, which, it is hoped, may be followed by other and more elaborate studies. Further efforts of this kind will, however, be conditioned upon the opportunity afforded for an extension of this department. Hitherto the growing work has been taken care of without addition to the clerical force, but the time left for other than purely routine duties has become correspondingly small.

IN GENERAL.

Much of the detailed work of this department is of such a nature that it cannot easily be shown in an annual report. Daily reports are made to the Insane Hospital Trustees of all cases admitted to the Boston Insane Hospital and State Institutions, and of the legal status of cases admitted to the former. Daily reports are made also to the Pauper Institutions Trustees of all cases admitted to Long Island and Charlestown Almshouses, and sentences of vagrants are regularly reported. A weekly report of applications withdrawn and refused is also furnished. The Penal Department is informed of all admissions of observation and delirium tremens cases to the Observation Hospital and of their legal status. A weekly statistical report is made to the Statistics Department of the City of Boston.

The ambulance is used more than ever before, and has proved to be of valuable service in transporting sick cases to the almshouses and to other institutions.

The officials of this department, in visiting needy and sick applicants, never forget to combine humanity with their more technical duties, and have often been instrumental in securing admission to private institutions for those who have a prejudice against entering an almshouse. In many other ways, too, they have relieved necessity, and removed the burden from the too heavily laden.

The number of employees on January 31, 1900, was eleven, with salaries amounting to \$13,910, and on January 31, 1901, eleven, with salaries amounting to \$14,900.

FINANCIAL.

The expenditures during the past year have been \$22,485.87, an itemized statement of which is given in one of the following tables. Estimates of \$25,000, required to carry on the ever increasing work of the department during the ensuing year, have already been presented to your Honor.

Respectfully submitted,

WILLIAM P. FOWLER,

Institutions Registrar.

EXPENDITURES FOR YEAR ENDING JAN. 31, 1901.

Salaries and wages	.	.	.	.	.	\$14,495	26
Medical services	.	.	.	.	.	3,718	79
Horse-keeping	.	.	.	.	.	1,437	46
Transportation	.	.	.	.	.	998	51
Printing	.	.	.	.	.	876	64
Office expenses and repairs	.	.	.	.	.	354	04
Stationery	.	.	.	.	.	286	79
Telephones	.	.	.	.	.	119	36
Postage	.	.	.	.	.	106	50
Food	.	.	.	.	.	92	52
							<u>\$22,485 87</u>

INVENTORY OF PROPERTY IN THE POSSESSION OF THIS DEPARTMENT.

Furniture, Office Room 2.

6 charts on wall.	1 cabinet, 30 drawers for cards.
2 book-cases.	1 cabinet, 20 drawers, index to above cabinet.
1 clothes cabinet, containing 6 lockers.	1 cabinet, 6 drawers for cards.
1 counter.	2 accountant's desks.
1 safe.	15 chairs.
3 roll-top desks.	1 small table.
2 typewriter's desks, 1 roll-top, 1 plain.	1 telephone and sound booth for same.
2 typewriters (Hammond).	Miscellaneous office stationery.
5 cabinets for settlement histories and correspondence.	1 letter press and cabinet for same.

Examining Physicians' Office.

2 oil cloths.	1 small table.
1 roll-top desk.	7 chairs.
1 book-case.	49 volumes medical records.
1 lounge.	Miscellaneous stationery.

In Room 1.

9 volumes commitment records.	About 500 printed forms for commitment for insane.
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Basement.

1 iron bed.	4 settees.
1 rubber mattress and pillow.	2 cabinets (formerly used for settlement histories).
3 tables.	
1 desk.	

Transportation.

1 carriage.	2 mattresses for stretchers.
2 horses for above carriage.	8 blankets for stretchers.
1 set double harness.	1 horse.
2 stable blankets.	1 harness.
2 street blankets.	1 stable blanket.
1 whip.	1 street blanket.
1 sleigh (old).	1 robe.
1 ambulance.	1 whip.
2 stretchers.	

Records.

Miscellaneous volumes containing records of admissions to almshouses and other institutions.

4 account books (1 bill book, 1 journal, 1 expenditure book, 1 ledger).

2 volumes records, Overseers of the Poor.

About 45,000 settlement histories (written).

Miscellaneous volumes, such as Boston directories, Acts and Resolves, tax books, settlement records and reports of various kinds.

About 26,000 cards containing records of admissions to the Institutions filed in tin boxes (old).

About 2,000 envelopes.

2,000 index cards, insane patients in Institutions.

About 11,000 large cards (new).

About 5,000 large cards containing Institution records of prisoners and paupers.

About 4,000 investigation reports.

June	2	66	16	.....	11	7	2	25	23	14	.....	37	1	6	5	6	20	2	58	81
"	9	79	24	.....	9	8	9	18	31	15	.....	46	2	3	13	3	16	5	66	97
"	16	93	19	.....	2	12	6	30	26	13	.....	39	.....	11	4	5	36	6	77	108
"	23	67	20	.....	6	5	6	22	19	14	.....	33	.....	9	4	6	23	6	56	70
"	30	90	27	.....	6	12	2	24	21	19	.....	42	.....	10	4	2	30	2	72	103
July	7	78	15	.....	9	11	2	26	30	11	.....	43	.....	3	7	4	22	3	65	86
"	14	101	20	.....	6	10	5	19	47	15	.....	62	1	8	4	3	24	3	87	111
"	21	72	21	.....	10	5	2	31	31	19	.....	50	.....	2	1	1	15	1	65	151
"	28	66	15	.....	12	12	6	25	20	10	.....	30	.....	.....	.....	.....	19	6	49	84
Aug.	4	73	20	.....	4	5	6	19	37	11	.....	51	.....	.....	.....	.....	11	1	62	82
"	11	59	19	.....	17	6	7	18	19	10	.....	31	.....	.....	.....	.....	15	4	47	81
"	18	72	6	.....	12	7	.....	27	33	6	.....	39	.....	.....	.....	.....	26	8	65	101
"	25	65	17	.....	9	4	.....	21	26	10	.....	40	.....	.....	.....	.....	18	4	58	78
Sept.	1	71	23	.....	3	7	3	21	24	20	.....	44	.....	.....	.....	.....	17	7	62	77
"	8	61	17	.....	8	7	3	22	16	10	.....	30	.....	.....	.....	.....	21	4	53	71
"	15	77	15	.....	7	10	3	28	24	11	.....	36	.....	.....	.....	.....	28	14	64	85
"	22	67	12	.....	3	2	4	18	36	8	.....	44	.....	.....	.....	.....	17	9	62	77
"	29	63	17	.....	16	7	4	16	25	12	.....	38	.....	.....	.....	.....	14	5	52	135
Oct.	6	91	17	.....	7	14	6	18	38	10	.....	49	.....	.....	.....	.....	22	6	74	101
"	13	72	13	.....	4	8	4	22	35	9	.....	34	.....	.....	.....	.....	27	6	63	79
"	20	98	24	.....	14	13	3	32	38	13	.....	53	.....	.....	.....	.....	27	5	85	112
"	27	75	12	.....	9	10	8	22	30	9	.....	39	.....	.....	.....	.....	20	6	61	88
Nov.	3	77	19	.....	4	13	3	13	32	19	.....	51	.....	.....	.....	.....	16	6	67	83
"	10	68	17	.....	5	4	.....	23	31	5	.....	40	.....	.....	.....	.....	16	6	56	76
"	17	89	30	.....	3	4	12	14	35	17	.....	53	.....	.....	.....	.....	20	6	74	101
"	24	100	17	.....	12	11	4	22	55	13	.....	69	.....	.....	.....	.....	16	5	85	122
Dec.	1	75	23	.....	13	7	10	19	30	12	.....	43	.....	.....	.....	.....	15	4	61	92
"	8	89	21	.....	5	5	6	18	47	14	.....	62	.....	.....	.....	.....	16	1	79	100
"	15	87	18	.....	5	13	5	20	36	13	.....	49	.....	.....	.....	.....	20	6	71	95
"	22	74	16	.....	4	10	5	21	33	10	.....	44	.....	.....	.....	.....	15	3	59	78
"	29	59	13	.....	4	10	2	15	24	9	.....	36	.....	.....	.....	.....	11	2	47	165
1901.																				
Jan.	5	114	29	.....	10	8	9	20	55	19	.....	75	.....	.....	.....	.....	22	5	97	124
"	12	93	18	.....	12	12	1	18	49	17	.....	66	.....	.....	.....	.....	14	4	80	109
"	19	98	25	.....	17	6	3	20	58	21	.....	80	.....	.....	.....	.....	9	1	89	120
"	26	111	17	.....	3	15	1	18	53	16	.....	69	.....	.....	.....	.....	26	5	95	121
"	31	56	14	.....	.....	10	3	8	18	11	.....	29	.....	.....	.....	.....	14	2	43	56
Totals....		3,980	971	33	454	418	239	1,025	1,627	690	42	5	2,364	249	137	55	11	218	3,381	4,923

Weekly Bulletin of the Institutions Registration Department.

Compiled from Reports of the Public Institutions of the State of Massachusetts for the week ending Saturday, January 26, 1901.

PERSONS SUPPORTED BY THE CITY OF BOSTON IN STATE INSTITUTIONS.

Movement of the Population. — Insane Hospital Department.

INMATES.	Male.	Female.	Total.
Worcester Insane Hospital.			
At last report	15	51	66
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	15	50	65
Taunton Insane Hospital.			
At last report	19	40	59
Admitted .....	.....	.....	.....
Discharged .....	.....	1	1
Remaining	19	39	58
Danvers Insane Hospital.			
At last report	32	41	73
Admitted .....	.....	.....	.....
Discharged	1	.....	1
Remaining	31	41	72
Westborough Insane Hospital.			
At last report	42	80	122
Admitted .....	.....	1	1
Discharged .....	.....	1	1
Remaining	42	80	122
Worcester Insane Asylum.			
At last report	64	72	136
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	64	72	136
Medfield Insane Asylum.			
At last report	148	305	453
Admitted .....	.....	.....	.....
Discharged .....	.....	2	2
Remaining	148	303	451
Tewksbury Insane Asylum.			
At last report	9	54	63
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	9	54	63
Bridgewater Insane Asylum.			
At last report	35	.....	35
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	35	.....	35

INMATES.	Male.	Female.	Total.
Insane Boarded in Families.			
At last report.....	2	27	29
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	2	27	29
Massachusetts Hospital for Dipsomaniacs.			
At last report.....	58	.....	58
Admitted .....	.....	.....	.....
Discharged	2	.....	2
Remaining	56	.....	56
Massachusetts Hospital for Epileptics.			
At last report.....	12	14	26
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	12	14	26
Massachusetts School for the Feeble Minded.			
At last report.....	25	39	64
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	25	39	64

Children's Institutions Department.

Massachusetts School for the Feeble Minded.			
At last report.....	42	26	68
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	42	26	68
Massachusetts Hospital for Epileptics.			
At last report.....	3	2	5
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	3	2	5
Hospital Cottages.			
At last report.....	10	2	12
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	10	2	12
State Hospital, Tewksbury.			
At last report.....	.....	.....	.....
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining .....	.....	.....	.....
State Sanatorium.			
At last report.....	1	.....	1
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	1	.....	1

Pauper Institutions Department.

INMATES.	Male.	Female.	Total.
State Hospital, Tewksbury.			
At last report.....	.....	.....	.....
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining .....	.....	.....	.....
State Sanatorium.			
At last report.....	1	2	3
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	1	2	3

TOTAL REMAINING.	Insane in Hospitals.	Insane Boarded in Families.	Dipsomaniacs.	Feeble Minded.	Epileptics.	Paupers.	Grand Total.
By Classes.....	1,002	29	56	132	43	4	1,266

TOTAL REMAINING.	Insane Hospital Trustees.	Trustees for Children.	Pauper Institutions Trustees.	Grand Total.
By Departments.....	1,177	86	3	1,266

Whole number of dependents, deficient and delinquents in charge of Boston, on Saturday, January 26, 1901, 9,274.

Weekly Bulletin of the Institutions Registration Department.

*Compiled from Reports of the Public Institutions in the City of Boston for
the week ending Saturday, January 26, 1901.*

PERSONS WHOLLY OR PARTLY SUPPORTED BY THE CITY OF BOSTON.*Movement of the Population. — Penal Institutions.*

INMATES.	Male.	Female.	Total.
House of Correction, Deer Island.			
At last report.....	727	254	981
Admitted	112	14	126
Discharged	116	19	135
Remaining	723	249	972
Children of Sentenced Mothers, Deer Island.			
At last report.....	5	2	7
Admitted .....	.....	.....	.....
Discharged .....	.....	1	1
Remaining	5	1	6
Observation Hospital, Deer Island.			
At last report.....	4	2	6
Admitted	4	.....	4
Discharged	3	.....	3
Remaining	5	2	7
House of Correction, South Boston.			
At last report.....	411	70	481
Admitted	7	1	8
Discharged	13	1	14
Remaining	405	70	475
Discharged Prisoners Aided.			
At last report.....	.....	.....	.....
Admitted	12	2	14
Discharged	12	2	14
Remaining .....	.....	.....	.....

Suffolk Jail.

At last report.....	128	20	148
Admitted	54	19	73
Discharged	45	13	58
Remaining	137	26	163

Police Aid.

At last report.....	.....	.....	.....
Admitted	289	75	364
Discharged	289	75	364
Remaining .....	.....	.....	.....

Pauper Institutions.

INMATES.	Male.	Female.	Total.
Long Island.			
At last report.....	324	332	656
Admitted	10	6	16
Discharged	7	2	9
Remaining	327	336	663
Charlestown.			
At last report.....	26	73	99
Admitted .....	.....	.....	.....
Discharged .....	.....	1	1
Remaining	26	72	98

Overseers of the Poor.

Wayfarers' Lodge.			
At last report.....	95	.....	95
Admitted	830	.....	830
Discharged	842	.....	842
Remaining	83	.....	83
Temporary Home.			
At last report.....	4	21	25
Admitted .....	.....	23	23
Discharged .....	.....	23	23
Remaining	4	21	25
Outdoor Poor.			
At last report.....	.....	.....	.....
Admitted	634	998	1,632
Discharged	634	998	1,632
Remaining .....	.....	.....	.....

Insane Hospital.

At last report.....	248	246	494
Admitted	4	6	10
Discharged	4	1	5
Remaining	248	251	499

City Hospital.

At last report.....	392	406	798
Admitted	135	132	267
Discharged	122	139	261
Remaining	405	399	804

Children's Institutions.

INMATES.	Male.	Female.	Total.
House of Reformation.			
At last report.....	90	.....	90
Admitted	1	.....	1
Discharged	4	.....	4
Remaining	87	.....	87
Parental School.			
At last report.....	196	.....	196
Admitted	4	.....	4
Discharged	1	.....	1
Remaining	199	.....	199
On Probation.			
At last report.....	165	.....	165
Admitted	2	.....	2
Discharged	3	.....	3
Remaining	164	.....	164
Indentured.			
At last report.....	281	171	452
Admitted	2	1	3
Discharged	3	4	7
Remaining	280	168	448
Boarded.			
At last report.....	307	227	534
Admitted	2	4	6
Discharged	2	1	3
Remaining	307	230	537

Soldiers' Aid.

At last report.....	1,265	1,512	2,777
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	1,265	1,512	2,777

Board of Health.

At last report.....	1	.....	1
Admitted .....	.....	.....	.....
Discharged .....	.....	.....	.....
Remaining	1	.....	1

Institutions Registration Department Aid.

At last report.....	.....	.....	.....
Admitted	24	12	36
Discharged	24	12	36
Remaining .....	.....	.....	.....

TOTAL REMAINING.	Prisoners.	Discharged Prisoners.	Observation Cases.	Children of Sentenced Mothers.	Paupers.	Insane.	City Hospital Patients.	Board of Health Cases.	Aided by Police.	Children's Institutions.	Soldiers and their Dependents.	Grand Total.
By Classes	1,610	....	7	6	869	499	804	1	....	1,435	2,777	8,008

TOTAL REMAINING.	Penal Institution Department.	Pauper Institution Department.	Children's Institution Department.	Insane Hospital Department.	City Hospital Department.	Health Department.	Police Department.	Soldiers' Relief Department.	Sheriff.	Overseers of Poor.	Institutions Registrations Department.	Grand Total.
By Departments	1,460	761	1,435	499	804	1	....	2,777	163	108	.....	8,008

Whole number fully or partly supported by Boston during the week ended Saturday, January 26, 1901, 12,698.

CHILDRENS

INSTITUTIONS

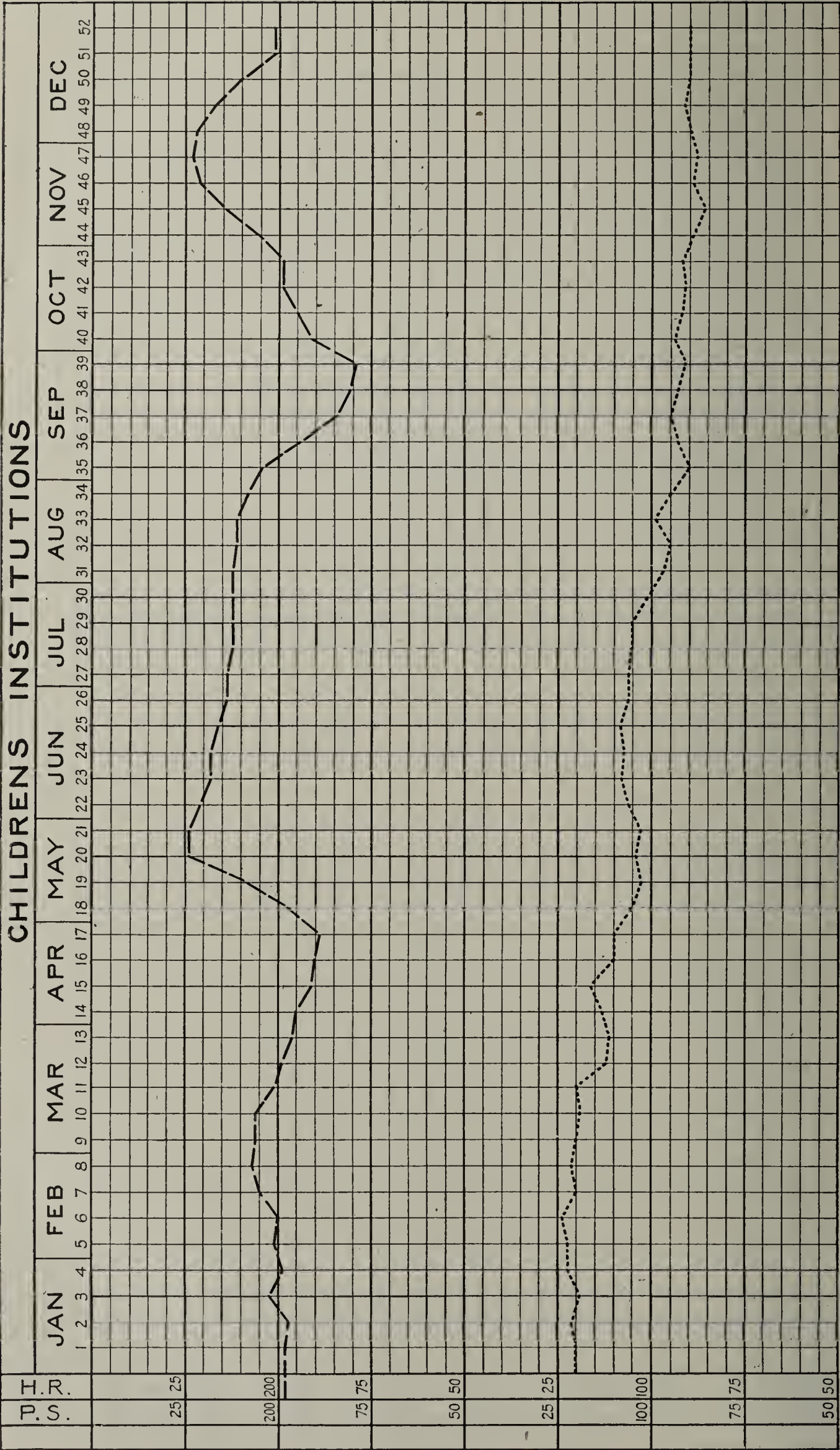
CHILDRENS INSTITUTIONS																																																					
		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
BOARDED																																																					
INDENT.																																																					
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CHILDREN ON PROBATION INDICATED THUS

INDENTURED, THUS

BOARDED, THUS

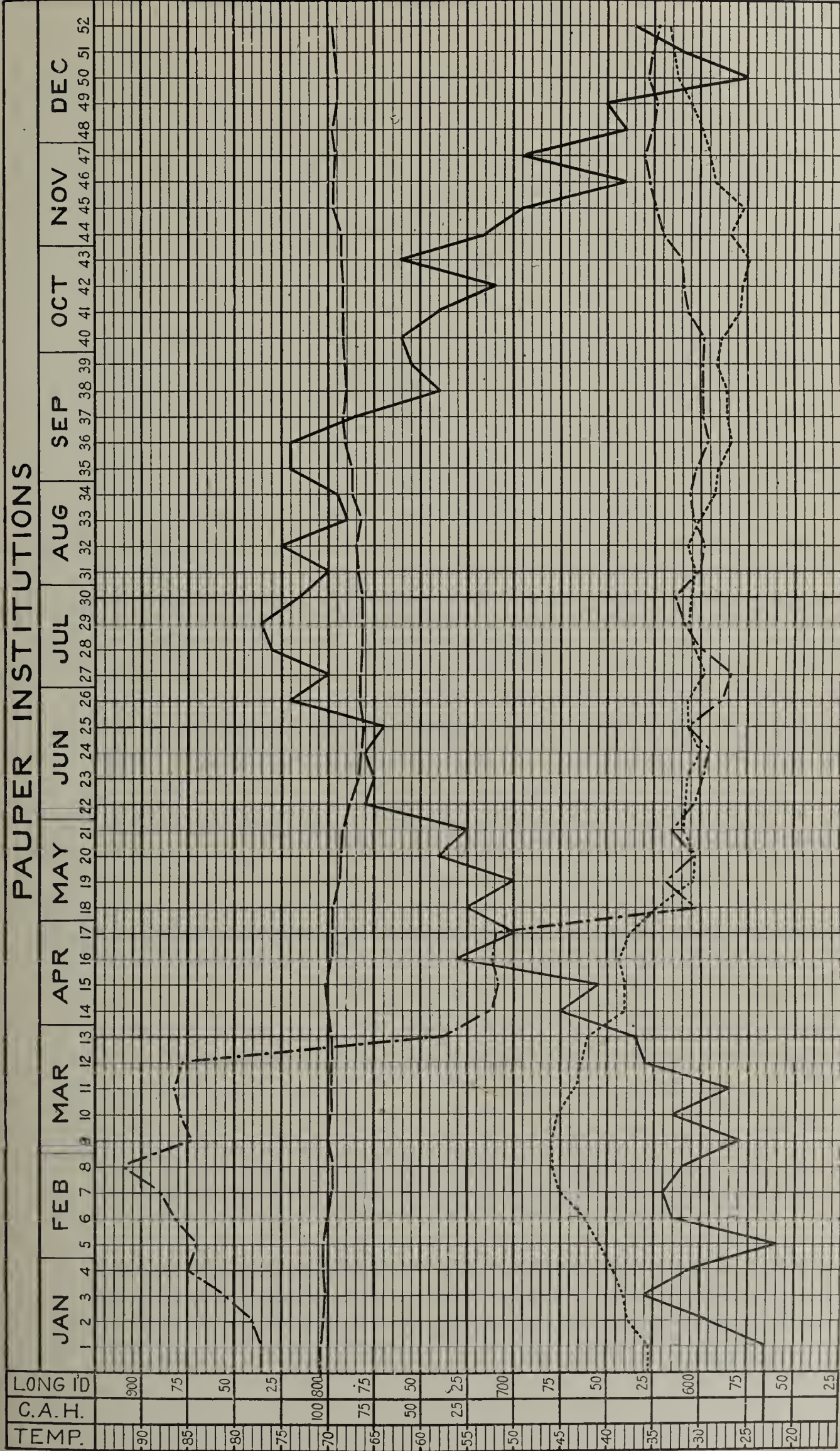
CHILDRENS INSTITUTIONS



CHILDREN AT PARENTAL SCHOOL INDICATED THUS

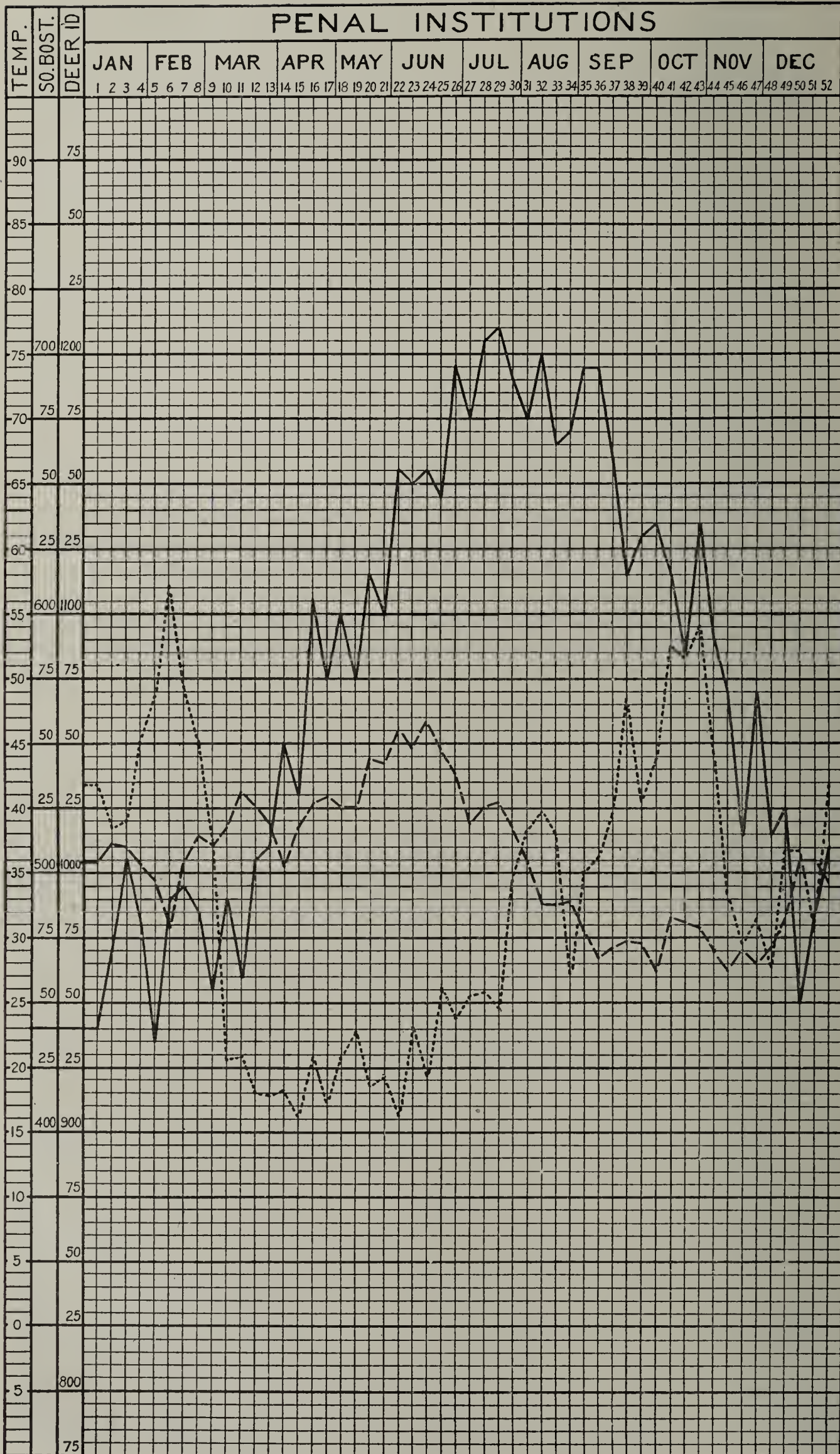
AT HOUSE OF REFORMATION, THUS

PAUPER INSTITUTIONS



TEMPERATURE INDICATED THUS _____ INMATES OF CHARLESTOWN ALMSHOUSE, THUS _____ AT LONG ISLAND, THUS _____

PENAL INSTITUTIONS



TEMPERATURE INDICATED THUS ————— INMATES AT So. BOSTON, THUS - - - - -
 AT DEER ISLAND, THUS

SOME STATISTICS OF RECIDIVISM AMONG MISDEMEANANTS.

The existence in this community of a numerous class of misdemeanants, men and women, who not infrequently begin and generally end their earthly career in some public institution, is painfully evident. They infest the minor courts like a plague, and swarm in the prisons. When the cold of winter, or sickness, or old age comes upon them they flock to the almshouses. They are constant beneficiaries of medical charity, both within and outside hospitals and asylums. In largest part they subsist upon some form of public bounty, not by labor. Some are distinctly of a criminal type, and have criminal records in various penal institutions. Others belong to the rounder class, while still others have but one institution home — the house of correction. All, however, have this in common that they are inebriates of a pronounced type.

What to do with these misdemeanants, and what to do for them, are questions which daily perplex the courts, heads of institutions and other officials. Our knowledge concerning them is very inadequate. Even their number in this City can only vaguely be approximated. Neither has much effort been made to ascertain the results of present methods of dealing with this class, in order to determine whether these methods are at fault, and in some part responsible for its perpetuation. These unfortunates have been with us so long that we have almost come to regard them as unavoidable elements in our social order; and, for the greater part, we have been content to deal with them according to long established practices without inquiring into results.

The present investigation is not concerned with any theory in regard to the treatment of misdemeanants, much less with any general criticism of prevailing methods. It merely aims to supply some facts of record about a limited number of this class in their relations as public charges — facts which tell their own story, and may aid those who study them to a better conception of the problem involved, and to measure in some degree the value of present ways of handling it by actual achievement.

LIMITATIONS OF THE INVESTIGATION.

The great labor of tracing the records of individuals through huge registers of institutions for a period of 20 or 30 years made it necessary to limit the inquiry to a small number. It was, therefore, confined to misdemeanants who were committed to the House of Correction at Deer Island between July 1 and December 31, 1900, and who have records of a total of 15 or more commitments to that prison. They are not selected cases, but were taken up, one by one, in the order of their commitment. The statistics, then, relate only to living persons.

Primarily, it was sought to obtain all facts about their commitments to Deer Island. In most cases this has been accomplished. Yet knowing the common adoption of aliases wherewith to cover identity, especially at the beginning of a prison career, and the general difficulty of complete identification when thousands are involved, particularly after the lapse of years, during which there may have been many changes in the prison staff, it is more than probable that the actual number of commitments is larger than represented in our figures. No attempt has been made to learn the number of arrests which were not followed by subsequent commitment, or the number of convictions resulting in a fine which was paid in court, although we know, as will be indicated later, that many of our cases had court records before they were committed for the first time.

Next, it was sought to trace the relations of the cases to pauper institutions. Here again the baffling question of identity cropped up. Even greater difficulty was experienced in following known records in other prisons. The time and facilities at command made the inquiry in this direction very fragmentary. It was impossible to learn how many have received out-door or other forms of relief, and to what measure. Of their family histories we have only piecemeal information, and the fruitful subject of their mental and physical condition had to be left wholly untouched.

On the whole, the investigation deals with a fairly distinct group of misdemeanants—the confirmed and institutionalized inebriates. If it had been made to include persons with briefer and less continuous penal records, it probably would have related to a larger number of the distinctly criminal class from which felons are directly recruited. Although unavoidably fragmentary in part, the facts brought out furnish a complete illustration of certain phases of the misdemeanor problem. A larger number of cases would only have tended

to multiply the somewhat monotonous array of facts without adding new information.

SUMMARY OF RESULTS.

Our statistics deal with 140 persons, 100 of whom are men and 40 are women. Of the whole number, 109 are supposed to be residents of Boston, leaving 31 whose domiciles are in adjacent cities and towns, though the statements relied upon in this matter may be open to some doubt. Their present ages run from 25 to 75 years, no less than 23 being under 36 years of age, while but 33 are of maturer age than 55, which points to the comparative brevity of life among them.

COMMITMENTS AND OFFENCES.

The number of commitments to the record of each person shows a wide range — from a total of 15 to a total of 125, as appears from the recapitulation below.

	NUMBER OF COMMITMENTS.									
	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-80.	More than 80.
Number of persons.....	43	37	9	15	10	5	6	8	5	2
Per cent.....	30.71	26.43	6.43	10.71	7.15	3.57	4.29	5.71	3.57	1.43

In no instance does the record of an individual cover a larger period than 30 years; most of the records date from the early eighties, but no less than 13 commitments are from a time subsequent to January 1, 1890, and one from as late as 1894.

The latter case (No. 77 in the appended table) shows it to be just as possible at the present time as during earlier periods to accumulate a record of 23 commitments in less than six years. In numerous instances the commitments practically form a continuous series from the date of the first, that is to say, they recur year by year with great regularity, leaving no ground for surmise as to commitments to other institutions. In not a few instances, sojourns in almshouses, hospitals, and other prisons cover much of the time the persons in question have been absent from Deer Island. Unaccounted-for gaps frequently occur in the records. Occasionally, probability points strongly to confinement elsewhere, but positive knowledge is lacking.

The number of times a person may have been committed during any period of twelve months depends largely upon the length of the sentence in each instance. All of the 140 persons have in some year been committed more than once, a majority more than four times, many five to eight times, and one has a record of 22 commitments in two years. The acme of achievement in this respect is represented by 16 commitments in less than twelve months (No. 139), which so far as known, is unparalleled.

OFFENCES.

The overwhelming number of commitments has been for drunkenness. In but seven instances do the combined commitments for other misdemeanors exceed those for drunkenness; in a few cases the numbers are nearly equal. No less than 33, or 23.57 per cent., have never been sent to Deer Island except for drunkenness, among whom are some with very long records. Although thus 103, or 73.57 per cent., have at some time been imprisoned for other misdoings than public intoxication, we find on inquiry into the nature of their offences that a large proportion may be fairly regarded as resulting from inebriety, such as assault and battery, disorderly conduct, disturbing the peace, breaking glass, vagrancy, etc. Oftentimes larceny does not so much indicate a propensity for stealing as a desire to get money for drink. This inference is corroborated by the fact that comparatively few were convicted for theft until they were far along on the road to hopeless inebriety. Not more than 31, or 22.14 per cent., were imprisoned for the first time for other offences than drunkenness. And again these other offences were mostly of the kind that spring from intoxication, namely, assault and battery, idle and disorderly conduct and disturbance of the peace and vagrancy, which constitute 25 out of 31 offences in question. How many had previously been punished elsewhere we have no means of knowing.

AGE AT FIRST COMMITMENT.

To 60, or 42.88 per cent., as will be seen from the grouping below, the doors of the Deer Island prison had swung open for the first time, while they were still under 25 years of age; and of these again, 43 had not yet attained their majority. The youngest age recorded is 15. In proportion just as many men as women were first committed while in their teens. Extreme youthfulness is more marked, how-

ever, among those committed for the first time between 1870 and 1885 than among those who have not come before the courts, so far as we know, until a later period, although age apparently continues to be little heeded in meting out penalty. The fact that a few at the time of their first commitment were adjudged "common drunkards," makes it almost certain that they previously had been convicted and sentenced. In general, the age at the time of the first commitment to Deer Island does not necessarily indicate the period of life at which the public career of the offender was begun. Some of our cases, it should be remembered, are non-residents, others probably had prison records before settling in Boston.

	AGE PERIODS.										
	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-54.	55-59.	Over 60.	Unknown.
Number of persons.....	30	30	21	21	11	13	3	6	2	1	2
Per cent.....	21.44	21.44	15.00	15.00	7.85	9.28	2.13	4.29	1.43	0.71	1.43

SENTENCES.

Almost without exception the sentences imposed from year to year upon the same individual exhibit a singular variety both as to kind and severity, no matter if conviction was for the identical offence. Only 27, or 19.28 per cent., were committed for the first time on a direct sentence to imprisonment, while 113, or 80.71 per cent., were confined for the first time, because of inability to pay a fine, ranging from \$1.85 upwards, but rarely exceeding \$8. A sentence to pay a fine may be held equivalent to a judicial declaration that neither the safety of the community nor the welfare of the offender demand his imprisonment.

In drunk cases the size of the fine, as well as the length of the term sentence, indicate with a certainty that a number had been arraigned at some time prior to their first commitment. For during the entire period covered by our records (with the exception of 1891-4, when the fine was abolished) the law regulating penalties for drunkenness did not permit the imposition of fines above a stated amount for the first offence within a period of twelve months, much less a term sentence to imprisonment for two months or more. Besides,

as has already been mentioned, several of our cases were held to be common drunkards when first committed to Deer Island, which would probably not have happened had they been without previous court records.

The subsequent sentences do not disclose any uniform judicial policy in dealing with these misdemeanants. In 104 cases, or 74.28 per cent., the greater number of commitments were in each instance for non-payment of fines. The appended table discloses the extent to which sentences to pay fines have piled up. In some instances 16 out of 18 commitments, 40 out of 57, 28 out of 30, etc., were for non-payment of fines, the maximum being reached by case No. 140, who has been committed 96 times out of a total of 125 for inability to pay fines. It must not be understood that anything in the laws prescribed this frequent resort to fine a penalty, for the records show that in most instances the offenders had been committed more than once during the previous twelve months, and could thus lawfully have been made to suffer a much severer punishment. The use of either kind of sentence seems to have been a matter of accident, bearing no apparent relation to previous offences. Sometimes fines and term sentences are found to alternate with each new commitment. Again a period of years, during which more than one fine has been imposed annually, is followed by a period in which the option of paying fines was denied each time, and this, in turn, is relieved by a third period in which most commitments were for non-payment.

A few illustrations will serve to make the exceedingly important matter under consideration more intelligible. Case No. 119 has a record of 43 commitments since 1885, 42 of which were for drunkenness. From 1885 to 1891 he was sent to Deer Island 29 times for non-payment of fines, an average of about 4 per year, but the amount of each fine hardly varied. In 1891, the law permitting fines in drunk cases being abolished, he was sentenced a number of times to imprisonment until 1893, when the fine was restored. Since then fines and imprisonment have alternated, the last being a fine of \$5.

No. 134 was committed 30 times for drunkenness between 1878 and 1887, in each instance for non-payment. Then, for the same offence, he was confined for 6 months, followed by 18 commitments for non-payment between 1887-1891. Subsequently he has spent $3\frac{1}{2}$ years at Deer Island on sentences to imprisonment, yet the last penalty imposed in 1890 was a fine of \$10.

No. 113 was adjudged a common drunkard when first com-

mitted (1876) and sentenced for 3 months. Next year the same judgment and sentence were pronounced. From 1879–1886, however, she was committed 16 times, and invariably for non-payment. In 1887 she was sentenced to imprisonment for 12 months. This was followed by fines until 1890, since when she has been sentenced 7 times for periods from 2 to 6 months.

No. 124 had been committed 20 times for non-payment of fines before the privilege of paying was taken away. During the last five years the two kinds of sentences have been imposed in turn, with a seemingly studied regularity. That is to say, for the same offence he would have to remain in jail from 8 days to 9 months, accordingly as he was fined or not.

No. 121 began her career at Deer Island with 9 commitments for drunkenness in 1884, the first 8 of which were for non-payment. Then a term sentence was tried. From 1884–1891 she has in all been fined and neglected to pay 32 times. Once during this period she was sentenced to 2 months; once to 3 months, and once to 12 months' imprisonment. Later she has been fined, though not so frequently. The last sentence was for 4 months. With one exception she has only been committed for drunkenness.

At the time of his first commitment (1870), when 19 years old, No. 136 was sent to prison for 6 months as a common drunkard, and again in 1871–'73–'75–'77 and 1883, though the sentences varied in severity. But, in addition, he was fined from one to six times each year from 1871 to 1880 as a "simple drunk," which fines, of course, were never paid. In 1883 it was held advisable to give him a term sentence on account of his old failing, drunkenness, but for the next 8 years he was regularly fined one or more times each year. From 1891–1897 only term sentences were imposed, but both in 1898 and 1900 he was fined \$5, and in consequence escaped with a few days at Deer Island, although it did not happen to be his first offence within 12 months.

No. 60 is accredited with 21 commitments, all for drunkenness, yet has spent nearly 8 years at Deer Island. The first 8 times she was committed for inability to pay fines of \$5 each. The ninth time she was sentenced for 6 months, but on the occasion of the next two offences was again given the option of paying fines. Again imprisonment was resorted to, this time for 4 months, succeeded later by two sentences to pay fines. Between 1892 and 1897, 5 sentences of 12 months each were imposed. No sooner was she

at liberty at the end of 1897 then she got drunk again, but now a fine of \$5 was regarded as a sufficient penalty. She could not pay, and lived another month at Deer Island. For her last offence, in December, 1900, she was committed for 8 days, being unable to pay a fine of \$3.

No. 139 was committed 74 times between 1875 and 1889, and 71 out of these for non-payment of fines, which in six instances amounted only to \$1.85, yet he paid but part of one. In one year (1882) he was fined 15 times, and did not pay, and once committed without the choice of paying. After this exhaustive experimentation with the money penalty he was sentenced to 12 months' imprisonment (1890), which, together with the succeeding 9 sentences (1891-97), compelled him to remain at Deer Island for five years and eleven months. But in April of 1897 he was once more fined \$5, and again twice in 1898, and twice in 1900. During January of the present year he has been committed twice for the non-payment of \$5 fines.

In contrast, some, though very few, have not escaped with a fine penalty even once during the last decade. Others, again the exception, were not given the privilege of paying fines at the earliest stage. Thus No. 112 was committed the first 5 times on term sentences, but subsequently has been fined 13 times. The multiplication of sentences to pay fines is not wholly a thing of the past. No. 78, for instance, was committed seven times in 1900, and five out of these for non-payment of amounts not exceeding \$5.

Two cases, Nos. 16 and 54, form singular exceptions — neither has been committed a single time for non-payment. As regards the latter, an explanation lies in the fact that 16 out of 20 commitments were for vagrancy, and vagrants are not supposed to possess as much money as the confirmed inebriate. The record of the former case, however, presents nothing unusual, for 14 of his 17 commitments were for drunkenness. Why this one man should have been singled out for severer punishment than the remaining 138 cannot be told. In general, we know that the seemingly contradictory treatment accorded misdemeanants of the same class, which is just as apparent from the individual record as by a comparison of records, is attributable (to what extent we cannot tell) to the fact that these offenders from time to time turn up in different courts. They are not always recognized, neither is there a record of previous arrests and commitments at hand. Or, if recognized, it is not ascertained whether they have been sentenced by any other court since their last appearance.

Thus it happens that an inveterate rounder, with a record of 101 commitments to Deer Island, is committed the one hundred and second time by a court which is ignorant of his past, and, in consequence, he escapes with lightest penalty permitted under the law.

Numerous offenders — it appears to be a piece of premeditated cunning — are known to be in the habit of avoiding arrest within the boundaries of the court district in which they were last apprehended. By going the rounds of the different municipal courts in Suffolk County, there is less likelihood of receiving heavy sentences, as is apparent from the subjoined parts of two records, which also illustrate the variety of penalties that may be imposed upon the same person by the same court and for the same offence. With one exception each commitment was for drunkenness.

Case A.

NO. OF COMMITMENT.	Date.		Court.	Penalty.
93.....	January	3, 1898..	South Boston..	\$5.00.
94.....	March	23, " ..	Central.....	3 months.
95.....	June	25, " ..	Dorchester	\$5.00.
96.....	January	11, 1899, .	Central.....	2 months.
97.....	August	11, " ..	"	5 "
98.....	"	14, " ..	"	*1 "
99.....	September	25, " ..	"	3 "
100.....	January	25, 1900..	Dorchester	\$5.00.
101.....	April	23, " ..	Central.....	6 months.
102.....	October	24, " ..	Roxbury.....	\$5.00.
103.....	January	3, 1901..	East Boston ...	"
104.....	"	21, " ..	South Boston..	"

* Larceny.

Case B.

NO. OF COMMITMENT.	Date.	Court.	Penalty.
37.....	April 22, 1898..	East Boston...	\$5.00.
38.....	August 8, " ..	South Boston..	"
39.....	September 8, " ..	Charlestown...	"
40.....	November 17, " ..	Central.....	6 months.
41.....	June 19, 1899..	"	\$10.00.
42.....	August 28, " ..	"	3 months.
43.....	March 23, 1900..	South Boston..	\$5.00.
44.....	May 19, " ..	"	"
45.....	October 6, " ..	Dorchester	3 months.
46.....	January 8, 1901..	Chelsea.....	\$5.00.

Without a single exception the 140 persons have at some time been sentenced to imprisonment for three or more months on account of public intoxication. No less than 118, or 84.28 per cent., have been given a maximum sentence of six or more months, in nearly all cases for drunkenness; while 51, or 36.42 per cent., have served sentences of 12 months, several more than once. In the light of these facts, it becomes doubly significant that 46, or 32.85 per cent., of the whole number were fined \$5 or more at the time of their last appearance in court in 1900, and because they did not pay were committed for eight days, which, under our law, is the measure of time equivalent to the above amount of money or any fraction of it.

In 125 cases, or 89.28 per cent., the last sentence imposed was not nearly so severe, usually not by one-half, as the maximum sentence imposed upon the same person and generally for the same offence. That is to say, when the maximum sentence for drunkenness is found to be 12 months in any case the last sentence imposed upon the same person will be found to be imprisonment from 1 to 6 months, or perhaps a small fine. In 47 of the 51 cases with maximum sentences of 12 months in each instance, the last sentences were much lighter, and in 8 of them the last commitment was for non-payment of fines.

As a matter of fact, then, so far as can be gleaned from the records, little or no attention is paid to the time of sentence to previous sentences for the same offence with respect to their number and degree of severity.

FINES.

Two of our cases are distinguished by reason of never having been committed for non-payment of fines. The remaining 138 have been sent to Deer Island in expiation of fines amounting to a total of \$17,589.26. The next summary indicates the extent to which unpaid fines have accumulated in individual cases.

Amount of Fines.

	\$50 or less.	\$50-\$100.	\$100-\$200.	\$200-\$300.	\$300-\$400.	\$400-\$500.	\$600-\$700.	Not Fined.
No. of Persons.....	18	42	57	14	5	1	1	2
Per cent.....	12.86	30.00	40.71	10.00	3.58	0.71	0.71	1.43

More than one-half (74) never paid a cent of the fines imposed. Of the remaining 64, not one has in all paid a greater sum than \$24, and the total amount turned into the County treasury by them (or, probably more correctly, by their families and friends) foots up, as nearly as can be ascertained, to \$433.43, or considerably less than the sum of the fines imposed upon one person among our 140, as shown above. Commitments have, of course, in each instance, preceded payment where such has been tendered, usually by several days.

DURATION OF IMPRISONMENT.

A comparison of the number of commitments in different cases for the same offence with the duration of imprisonment seems to indicate that there is no equable relation between offence and penalty, and that it is a matter of accident, not of degree of guilt, whether a person be kept in jail for two or eight years. The following tabular statement of a few illustrative cases necessarily leads to this conclusion:

Cases in which all Commitments were for Drunkenness.

Number of Case.	Number of Commitments.	Duration of Imprisonment.		
45	20	2 years	– months	21 days
60	21	7 “	10 “	8 “
78	24	3 “	– “	1 “
83	25	8 “	11 “	23 “
100	33	8 “	3 “	28 “
102	33	5 “	– “	11 “
132	58	8 “	10 “	10 “

Precisely the same peculiarity may be noted in cases of persons committed for a variety of misdemeanors, as may be seen from the following examples :

Number of Case.	Number of Commitments.	Number and kind of Offences.	Duration of Imprisonment.		
9	16	{ Drunkenness 15 } { Larceny..... 1 }	2 years	10 months	8 days
12	17	{ Drunkenness 16 } { Larceny..... 1 }	6 “	9 “	13 “
16	17	{ Drunkenness 14 } Larceny..... 1 Assault and Battery.. 1 { Vagrancy 1 }	6 “	– “	26 “
20	17	{ Drunkenness 8 } Assault and Battery.. 3 { Larceny..... 4 } Vagrancy 1 { Disorderly Conduct .. 1 }	2 “	6 “	3 “

It is perfectly understood that the discrepancies in penalties noted above have to a limited extent been caused by changes in the law. Thus, if many commitments took place between July, 1891 and 1893, they would all be on term sentences, for the fine was then abolished. Moreover, the usual fine stood for a month in prison until 1881, when its equiva-

lent in time was reduced to 10 days, only to be restored as before in 1885. In 1899, however, the sliding scale was altered once more, and since then a fine of \$5 has been "worked out" by 8 days in jail. Notwithstanding these considerations, it remains true of the cases cited as well as of many others, that the penalties inflicted apparently bear little relation to the number and kind of offences.

In reckoning the time served on term sentences, deductions have been made for pardons when such have been granted, but the full time of the last sentence has been included; in some instances this may not have been completed at the time of investigation. Allowances have also been made for each fine paid after commitment.

Each one of the 140 persons has spent not less than a year of his life in the Deer Island prison. One, a woman, has been confined there for 22 years, 6 months and 15 days, and nearly the whole time for drunkenness. During the 29 years covered by her record, she has been out of prison but 7 years, 6 months and 15 days. No less than 63, or 45 per cent. of the whole number have been kept at Deer Island for more than 5 years. A summary showing by groups the total time of imprisonment follows. Attention is called to the large number who have been confined between 7 and 8 years.

Total Time Imprisoned.

	YEARS.													
	1-2.	2-3.	3-4.	4-5.	5-6.	6-7.	7-8.	8-9.	9-10.	10-11.	11-12.	12-13.	14-15.	Over 15.
Number of Persons ..	7	28	23	19	10	10	15	11	5	2	5	2	2	1
Per cent. ...	5.00	20.00	16.43	13.57	7.15	7.15	10.71	7.85	3.57	1.43	3.57	1.43	1.43	0.71

The duration of imprisonment for non-payment of fines has been determined by several factors, the least important of which is part-payment after commitment since it is seldom made, and the total amount in individual cases is so small. The magnitude of the fine supposedly corresponds to the gravity and nature of the offence. Usually it costs more to commit assault and battery than to steal or get drunk. The largest single fine in our records is one of \$50; in numerous instances, however, the maximum money penalty has exceeded \$20. Some courts are seemingly in the habit of administering much heavier fines than others. This

probably explains why each one of the 96 fines imposed on one person for drunkenness amounted to less than \$10, while another, with less than half as many commitments for the same offence has frequently been asked to contribute \$15. On the whole, it must be said that, no matter what the offence, a uniform relation between the total amount of fines imposed upon a person and the number of fine sentences is not to be looked for even when the same offence has been committed. For this reason it seemed simpler when the fines were imposed on two counts for the same or different misdemeanors to regard them as one in our tables.

The changes in the law fixing the money penalty in drunk cases, to which allusion has already been made, must be taken into consideration. In addition to the variability of the maximum money penalty, the equivalent of the same in days and weeks of confinement has been changed by legislative enactment three times during the years covered by our records, both of which circumstances have in many cases materially affected the duration of imprisonment for unpaid fines and costs. Several of the 140 men and women have had the unique experience of being detained in jail 10, 30 and 8 days for non-payment of fines of exactly the same amount in each instance. The shortest term of imprisonment in our records for failure to pay fines is 16 days and the longest 6 years, 10 months and 15 days. A summary follows.

Duration of Imprisonment for Non-payment.

	YEARS.					
	Less than one.	1-2.	2-3.	3-4.	4-5.	6-7.
Number of persons.....	60	53	15	6	3	1
Per cent.....	43.48	38.38	10.88	4.35	2.18	0.73

Two persons have never been fined.

Eight cases afford remarkable illustrations of the extent to which the fine penalty may be used: All of them have spent a longer time at Deer Island for non-payment of fines than on term sentences; that is to say, they have averaged less than 30 days in jail on nearly all commitments, and in 5 of these 6 cases the last commitment in 1900 was for unpaid fines. The details will be found in the appended tables. (*See Nos. 10, 28, 29, 55, 74, 91, 105, 118.*)

RECORDS IN OTHER INSTITUTIONS.

A total of 62, or 44.28 per cent. are known to have been for longer or shorter terms in other public institutions than the House of Correction at Deer Island. A more searching inquiry than circumstances permitted would doubtless have yielded a much heavier percentage as well as revealed a more varied institutional record in several instances. Even as regards pauper histories, the information is not complete, since little is known in this respect about cases having residences outside Boston. It is found, however, that 35, or 25.00 per cent., have at some time been committed to the City almshouses, from 1 to 37 times each. Of these again some, prior to obtaining a settlement in Boston, had been State paupers, others also have records at Foxboro', the State Reformatories, the House of Correction at South Boston, etc. What is known about records in other penal establishments is derived in the first instance from statements made by the persons concerned. In the absence of adequate means of identification, it would have been useless to pursue further inquiries in this direction, had other circumstances been propitious. The details given in the appended tables regarding institution records outside Deer Island are, therefore, more suggestive than complete, yet give some additional hints of the moral degradation and physical and mental deterioration of these unfortunates.

FAMILY RELATIONS.

How far hereditary causes have contributed to shape the downward career of the persons in question can only be surmised. The fragmentary bits of family history that have leaked out indicate that not a few have sprung from stock tainted with insanity and other maladies, or having members noted for various forms of anti-social conduct. Some are *analphabets*, and few appear to have risen above the lowliest occupations. But allowing that not even a majority were handicapped by birth and environment, can this be said of their children?

Anything like a complete census of their descendants is not available. From personal statements made by them it is known that 65, or 46.42 per cent., have been fathers or mothers of children. But the aversion of the average prisoner to any inquiry into his conjugal relations is well known. Men who have deserted their wives prefer to pose as single; the marital relations may not have been of the strictly legal order; and there may be other reasons for prevarication.

Those who admit marriage have in all had 207 children, an average of about 3 to the family. Only 15 cases are noted for a large number of children, from 5 to 9 each. Of the subsequent history of these children very little is known. Some of them are said to have died, probably in infancy. The sad lives others have led may be imagined from a single illustration. E., an illegitimate child of an inebriate mother, placed in the Marcella-street Home at a tender age, later admitted to the House of the Good Shepherd, thence sent to the Almshouse at Long Island, thence to the Worcester Insane Hospital, and, lastly, to the Medfield Insane Asylum, where she died in 1899. There is the greater reason for picturing darkly the fate of these children, of whom some must now have reached maturity, because many of them were brought into the world after their parents had become confirmed in inebriate or criminal habits. This is a necessary inference from the fact that the parents were committed to Deer Island while still very young, in some instances under 21 years of age. The records tell, furthermore, of mothers bringing their infants with them to the House of Correction. For aught that is known to the contrary, some of these children may have seen daylight for the first time within prison walls.

COST OF MAINTENANCE.

The total amount of money expended by Suffolk County as well as by the Commonwealth for the maintenance of the 140 persons in public institutions during the time covered by the records cannot be stated with exactness. Indeed, owing to the imperfect knowledge of their relations to State establishments, the expense incurred by the State on their account has not even been inquired into. It is known, however, that on the basis of averages for a period of years, the County has spent in cash outlay for the maintenance of these same persons at Deer Island \$66,991.52, and at the almshouses and the South Boston House of Correction \$10,525.93, a total of \$77,517.45.

In contrast, let it be repeated, the whole amount paid in fines by these same persons subsequent to commitment was \$433.43, which, needless to say, has been deducted from the sum showing cost.

Yet, after all, the bare cost of maintenance represents but a part of the expense the community has been put to on account of these misdemeanants. The cost of making arrests is reckoned by the Department of Police to be \$8.04 for each. Counting only the arrests followed by commitments in the

present cases the additional sum of nearly \$34,000 is reached. Further, the cost of commitments, the transportation from the courts, form a very large item, which at present cannot be estimated. To this should be added part of the expense of the courts and of the public relief of the families of the misdemeanants or of themselves while they are at liberty, etc.

Any attempt, therefore, to express in figures the total drain upon the tax-payers from this source is almost futile, at least in the light of our present knowledge. But enough has been said to indicate the magnitude of the problem involved even from the point of view of public expense.

The general conclusions to be drawn from the facts laid bare by this investigation are perhaps too obvious to require specification. With suggestions of more adequate methods for the treatment of recidivists among misdemeanants it has no concern; that is a matter demanding separate consideration and study. First the present conditions of the problem need to be thoroughly understood. The support of an enlightened public opinion must be had before a radical departure from prevailing methods and habits is undertaken.

NOTE. — The cases in the appended tables have been grouped according to the number of offences, and with a view to making comparisons easy. This seemed the best arrangement possible.

TABLES
Showing Results of the Investigation for the Individual Cases.
[Abbreviations: Dk., drunkenness; L., larceny; A. & B., assault and battery; V., vagrancy; I. & D., idle and disorderly; N. W., nightwalking; Tresp., trespassing.

NUMBER.	Present age.	Sex.	Times Com- mitted.	OFFENCES.				Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.	Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
1.....	47	M.	15	15	.....	.....	.....	.....	Dk.	\$5 00	Dk.	12 m.	Dk.	\$5 00	11	\$61 10	-
2.....	56	F.	15	15	.....	.....	.....	.....	Dk.	5 95	Dk.	6 m.	Dk.	5 00	11	60 95	-
3.....	39	F.	15	9	1	1	.....	4	Dk.	5 95	Dk.	9 m.	I. & D.	20 00	10	72 50	1
4.....	47	M.	15	11	.....	2	.....	2	Dk.	9 45	Dk.	3 m.	Tresp.	20 00	8	75 20	-
5.....	42	F.	15	13	1	.....	.....	1	Dk.	7 95	Dk.	6 m.	Dk.	10 dys.	11	64 65	1
6.....	27	M.	16	9	6	.....	.....	1	Dk.	5 00	Dk.	10 m.	L.	\$25 00	3	32 00	-
7.....	50	M.	16	9	.....	5	1	1	Dk.	7 95	Dk.	9 m.	Dk.	5 00	10	129 46	1
8.....	35	M.	16	13	1	.....	1	1	L.	11 97	V.	4 m.	Dk.	3 m.	12	102 22	-
9.....	30	M.	16	15	1	.....	.....	.....	Dk.	2 m.	Dk.	6 m.	Dk.	\$5 00	5	35 00	-
10....	43	M.	16	16	.....	.....	.....	.....	Dk.	\$5 00	Dk.	4 m.	Dk.	5 00	13	100 24	2

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.	
	ON TERM SENTENCE.		FOR NON-PAY- MENT OF FINES.		TOTAL TIME.		H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instit.	Total.		
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.				
.....	2	1	.....	.....	9	9	2	10	2	9	.....	.....	\$251 05	* \$5 00	\$256 05	1 (State Hosp.)	
2	1	8	.....	.....	26	26	2	3	2	26	.....	.....	186 57	.....	186 57	-	
3	2	3	.....	.....	10	10	3	.....	3	10	.....	.....	265 94	.....	265 94	-	
4	1	7	.....	.....	28	28	2	2	2	28	.....	.....	197 02	.....	197 02	2 (State Hosp.)	
5	1	1	10	.....	7	12	1	8	1	22	.....	.....	146 54	.....	146 54	-	
6	5	1	.....	.....	20	20	5	3	5	20	.....	.....	464 09	.....	464 09	1 (Concord Ref.)	
7	2	6		1	2	8	3	8	3	8	21	4	3	7	318 90	537 53	-
8		9			13	13	1	5	1	13	30	4	6	10	124 36	570 06	-
9	2	6	.....	.....	8	8	2	10	2	8	.....	.....	250 81	.....	250 81	-	
10 .....	.....	8	.....	1	.....	5	1	8	1	5	.....	.....	137 61	.....	137 61	1 (State Hosp.)	

* Observation Hospital at Deer Island, 1 time.

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
11.....	57	M.	16	16	.....	.....	.....	.....	47	Dk.	\$5 00	Dk.	6 m.	Dk.	\$5 00	8	\$40 00	-
12.....	25	M.	17	16	1	.....	.....	.....	18	Dk.	3 m.	Dk.	6 m.	Dk.	6 m.	1	5 00	-
13.....	50	M.	17	17	.....	.....	.....	.....	40	Dk.	\$5 00	Dk.	12 m.	Dk.	3 m.	3	20 63	-
14.....	50	M.	17	17	.....	.....	.....	.....	38	Dk.	5 00	Dk.	6 m.	Dk.	6 m.	8	45 00	2
15.....	40	F.	17	17	.....	.....	.....	.....	26	Dk.	5 00	Dk.	9 m.	Dk.	2 m.	11	55 90	-
16.....	41	M.	17	14	1	1	1	.....	25	A. & B.	6 m.	Dk.	12 m.	V.	3 m.	.....	.....	-
17.....	33	M.	17	14	2	1	.....	.....	20	Dk.	\$5 00	Dk.	12 m.	Dk.	3 m.	9	55 00	1
18.....	30	M.	17	9	4	2	.....	2	15	L.	4 m.	Dk.	10 m.	Dk.	\$5 00	7	89 10	-
19.....	40	M.	17	6	6	1	3	1	24	Breaking glass.	\$12 35	V.	6 m.	L.	2 m.	10	116 06	-
20.....	47	M.	17	8	4	3	1	1	26	A. & B.	10 55	Dk.	4 m.	L.	\$15 00	7	78 75	1

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.					
	ON TERM SENTENCE.			FOR NON-PAYMENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.								
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	No.	Yrs.		Mos.	Dys.	At H. of Cor., Deer Isl.	At Other County Instit.	Total.
11	2	6	.....	.....	5	6	2	11	6	.....	.....	.....	.....	2	.....	4	.....	\$257 66	\$41 96	\$299 62	-
12	6	8	27	.....	.....	16	6	9	13	.....	.....	.....	.....	.....	.....	.....	.....	383 88	.....	383 88	-
13	4	3	4	.....	2	18	4	5	22	.....	.....	.....	.....	13	2	5	22	359 29	333 91	693 20	-
14	2	11	.....	.....	3	22	3	2	22	.....	.....	.....	.....	.....	.....	.....	.....	192 25	.....	192 25	-
15	2	4	.....	.....	11	.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	285 51	.....	285 51	1 (Sherborn)
16	6	.....	26	.....	.....	.....	6	.....	26	.....	.....	.....	.....	.....	.....	.....	.....	533 31	.....	533 31	1 (Concord Ref.)
17	2	2	.....	.....	8	8	2	10	8	.....	.....	.....	.....	.....	.....	.....	.....	250 81	.....	250 81	-
18	3	5	2	.....	8	8	4	1	10	.....	.....	.....	.....	.....	.....	.....	.....	360 96	.....	360 96	-
19	2	.....	5	1	.....	10	3	.....	15	.....	.....	.....	.....	11	1	10	17	267 15	236 70	503 85	-
20	2	2	.....	.....	4	3	2	6	3	.....	.....	.....	.....	3	.....	6	.....	216 50	62 94	279 44	1 (Foxboro')

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
21.....	48	M.	17	14	.....	2	.....	1	23	A. & B.	\$18 85	Dk.	9 m.	Dk.	2 m.	9	\$86 85	1
22.....	48	M.	17	16	.....	.....	1	.....	22	V.	3 m.	Dk.	5 m.	Dk.	\$5 00	12	65 00	-
23.....	42	M.	17	16	.....	1	.....	.....	20	Dk.	\$7 95	Dk.	4 m.	Dk.	4 m.	12	79 80	1
24.....	35	M.	17	17	.....	.....	.....	.....	19	Dk.	5 95	Dk.	6 m.	Dk.	3 m.	8	49 62	1
25.....	32	M.	18	16	1	1	.....	.....	16	Dk.	7 00	Dk.	10 m.	Dk.	\$10 00	14	101 47	1
26.....	49	M.	18	17	1	.....	.....	.....	31	Dk.	5 95	Dk.	4 m.	Dk.	5 00	12	78 60	1
27.....	40	F.	18	16	.....	2	.....	.....	26	A. & B.	11 83	Dk.	5 m.	Dk.	5 00	11	77 86	-
28.....	45	M.	18	16	.....	.....	1	1	30	Dk.	5 95	V.	3 m.	Dk.	5 00	16	79 80	-
29.....	.....	F.	18	15	.....	.....	.....	3	.....	Dk.	5 95	N. W.	6 m.	Dk.	2 m.	13	101 53	-
30.....	41	M.	18	15	1	1	1	.....	34	A. & B.	25 00	Dk.	12 m.	Dk.	8 m.	7	70 00	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.					
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.								
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	At H. of Cor., Deer Isl.	At Other County Instit.		Total.				
21	2	10	.....	.....	8	10	3	6	10	.....	.....	.....	.....	2	.....	8	.....	\$309 86	\$83 92	\$393 78	1 (State Hosp.)
22	1	5	.....	.....	5	18	1	10	18	.....	.....	.....	.....	.....	.....	.....	.....	158 95	.....	158 95	-
23	1	2	.....	1	.....	8	2	2	8	.....	.....	.....	.....	.....	.....	.....	.....	192 25	.....	192 25	-
24	2	11	.....	.....	6	20	3	5	20	.....	.....	.....	.....	.....	.....	.....	.....	304 93	.....	304 93	1 (Concord Ref.)
25	1	7	.....	.....	10	8	2	5	8	.....	.....	.....	.....	.....	.....	.....	.....	211 01	.....	211 01	-
26	1	11	.....	.....	8	8	2	7	8	.....	.....	.....	.....	4	1	.....	4	224 38	127 31	351 69	-
27	2	6	.....	.....	8	4	3	2	4	.....	.....	.....	.....	.....	.....	.....	.....	277 87	.....	277 87	-
28 .....	.....	4	.....	1	.....	7	1	4	7	.....	.....	.....	.....	.....	.....	.....	.....	118 80	.....	118 80	-
29	1	1	9	1	2	6	2	3	15	.....	.....	.....	.....	.....	.....	.....	.....	201 24	.....	201 24	-
30	4	6	.....	.....	7	24	5	1	24	.....	.....	.....	.....	.....	.....	.....	.....	452 30	.....	452 30	1 (State Hosp.)

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
31.....	46	M.	18	18	.....	.....	.....	.....	29	Dk.	\$5 95	Dk.	6 m.	Dk.	4 m.	16	\$87 80	-
32.....	34	F.	18	18	.....	.....	.....	.....	18	Dk.	5 95	Dk.	5 m.	Dk.	\$10 00	12	108 73	1
33.....	40	M.	18	17	.....	1	.....	.....	29	Dk.	5 00	Dk.	6 m.	A. & B.	3 m.	11	65 00	-
34.....	69	M.	18	17	.....	.....	1	.....	53	Dk.	5 95	Dk.	9 m.	V.	6 m.	8	41 90	-
35.....	37	M.	18	12	.....	5	.....	1	21	A. & B.	7 36	Dk.	7 m.	Dk.	\$5 00	13	142 81	2
36.....	65	M.	18	17	.....	1	.....	.....	51	Dk.	5 00	Dk.	4 m.	Dk.	2 m.	10	72 05	-
37.....	39	F.	19	15	.....	1	.....	3	22	Destroy. Property	{ 15 15	Dk.	9 m.	Dk.	3 m.	10	71 92	2
38.....	30	M.	19	17	.....	1	.....	1	18	Dk.	5 00	Dk.	6 m.	Dk.	\$5 00	11	75 00	-
39	66	M.	19	19	.....	.....	.....	.....	58	Dk.	5 00	Dk.	9 m.	Dk.	5 m.	8	40 00	-
40.....	55	M.	19	18	1	.....	.....	.....	42	Dk.	5 00	Dk.	6 m.	Dk.	3 m.	12	60 00	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.	
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.				
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	At H. of Cor., Deer Isl.	At Other County Instit.		Total.
31.....	1	8	.....	1	1	10	2	9	10	.....	.....	.....	.....	\$238 21	.....	\$238 21	1 (State Hosp.)
32.....	2	4	.....	1	1	20	3	5	20	.....	.....	.....	.....	273 88	.....	273 88	-
33.....	1	10	.....	.....	8	9	2	6	9	.....	.....	.....	.....	217 93	.....	217 93	-
34.....	3	3	.....	.....	5	28	3	8	28	.....	.....	.....	.....	328 79	.....	328 79	-
35.....	2	6	.....	1	.....	7	3	6	7	.....	.....	.....	.....	309 14	.....	309 14	-
36.....	1	10	19	.....	7	18	2	6	7	.....	.....	.....	.....	221 29	.....	221 29	-
37.....	3	9	.....	.....	10	22	4	7	22	1	.....	5	24	407 89	.....	.....	-
38.....	2	3	.....	.....	10	8	3	1	8	.....	.....	.....	.....	272 14	.....	272 14	1 (Concord Ref.)
39.....	4	11	.....	.....	8	.....	5	7	.....	.....	.....	.....	.....	490 39	.....	490 39	-
40.....	1	7	.....	1	.....	3	2	7	3	.....	.....	.....	.....	227 66	.....	227 66	-

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
41.....	34	M.	19	13	....	2	....	4	18	I. & D.	\$11 35	Dk.	6 m.	Dk.	1 m.	4	\$49 23	1
42.....	42	F.	19	14	1	3	....	1	18	Dk.	7 95	Dk.	6 m.	Dk.	2 m.	11	61 38	1
43.....	32	M.	19	14	3	1	....	1	18	Dk.	6 m.	Dk.	9 m.	Dk.	9 m.	12	111 44	2
44.....	38	F.	20	20	....	....	....	....	20	Dk.	\$5 95	Dk.	9 m.	Dk.	9 m.	14	79 50	1
45.....	38	M.	20	20	....	....	....	....	23	Dk.	5 95	Dk.	8 m.	Dk.	1 m.	16	101 85	6
46.....	31	M.	20	20	....	....	....	....	19	Dk.	5 00	Dk.	6 m.	Dk.	3 m.	11	60 00	-
47.....	34	M.	20	12	4	....	....	4	17	Dk.	8 65	Dk.	10 m.	Dk.	3 m.	11	133 03	-
48.....	66	M.	20	12	2	1	....	5	39	Tresp.	28 10	Dk.	4 m.	I. & D.	3 m.	14	133 83	1
49.....	30	M.	20	14	....	....	3	3	18	Dk.	6 10	Dk.	12 m.	V.	3 m.	4	31 80	-
50.....	37	M.	20	11	6	1	1	1	16	I. & D.	3 m.	Dk.	3 m.	Dk.	\$10	12	97 15	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.									COMMITMENTS TO OTHER COUNTY INSTITUTIONS.									ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instit.	Total.				
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	No.	Yrs.				Mos.	Dys.		
41.....	4	7	.....	.....	4	.....	4	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$424 88	.....	\$424 88	-	
42.....	3	5	.....	.....	.....	20	4	2	20	.....	.....	.....	.....	.....	.....	.....	.....	370 42	.....	370 42	-	
43.....	2	4	.....	.....	.....	16	3	2	16	.....	.....	.....	.....	.....	.....	.....	.....	270 73	.....	270 73	-	
44.....	2	5	.....	1	.....	9	3	5	9	.....	.....	.....	.....	.....	7	.....	7	302 30	\$77 75	380 05	-	
45.....	1	3	.....	.....	.....	21	2	.....	21	.....	.....	.....	.....	.....	5	1	10	180 70	231 86	412 56	1 (Foxboro.)	
46.....	2	4	.....	.....	.....	5	3	3	5	.....	.....	.....	.....	.....	7	2	6	286 71	315 82	602 53	-	
47.....	4	.....	.....	1	1	14	5	1	14	.....	.....	.....	.....	.....	.....	.....	.....	449 91	.....	449 91	-	
48.....	1	7	.....	1	3	2	2	10	2	.....	.....	.....	.....	.....	.....	.....	.....	227 60	.....	227 60	-	
49.....	6	9	.....	.....	.....	8	7	1	8	.....	.....	.....	.....	.....	.....	.....	.....	623 54	.....	623 54	-	
50.....	1	7	.....	.....	.....	2	2	5	2	.....	.....	.....	.....	.....	.....	.....	.....	209 58	.....	209 58	-	

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
51.....	56	M.	20	18	.....	.....	.....	2	33	Dk.	\$10 63	Dk.	6 m.	Dk.	5 m.	16	\$110 23	-
52.....	42	M.	20	18	1	1	.....	.....	22	Dk.	1 85	Dk.	5 m.	Dk. & L.	\$35 00	14	102 80	-
53.....	45	M.	20	16	1	2	.....	1	23	A. & B.	10 08	Dk.	6 m.	Dk.	1 m.	14	102 05	2
54.....	57	M.	20	3	1	.....	16	.....	32	V.	4 m.	Dk.	12 m.	Dk.	12 m.	.....	.....	-
55.....	30	M.	21	18	1	2	.....	.....	16	Dk.	\$5 00	Dk.	5 m.	Dk.	\$5 00	19	139 03	3
56.....	31	M.	21	13	4	1	.....	3	20	Dk.	5 00	L.	6 m.	Dk.	5 00	13	105 00	2
57.....	45	F.	21	20	.....	.....	1	.....	35	V.	4 m.	Dk.	9 m.	Dk.	3 m.	6	35 00	-
58.....	45	M.	21	16	.....	5	.....	.....	30	A. & B.	\$17 35	Dk.	12 m.	Dk.	3 m.	9	118 55	1
59.....	38	F.	21	17	.....	.....	.....	4	22	I. & D.	3 m.	Dk.	12 m.	N. & W.	6 m.	10	50 95	-
60.....	41	F.	21	21	.....	.....	.....	.....	27	Dk.	\$5 00	Dk.	12 m.	Dk.	\$3 00	13	63 00	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.		
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instit.	Total.			
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	No.	Yrs.					Mos.	Dys.
51.....	2	8	.....	.....	11	6	3	7	6	.....	.....	.....	.....	\$316 23	.....	\$316 23	-	
52.....	2	1	.....	1	5	18	3	6	18	.....	.....	.....	.....	311 72	.....	311 72	2 (State Hosp.)	
53.....	1	4	.....	1	.....	20	2	4	20	.....	.....	.....	.....	209 28	.....	209 28	-	
54.....	8	7	.....	.....	.....	.....	8	7	.....	.....	.....	.....	.....	749 56	.....	749 56	1 (State Farm)	
55.....	.....	4	10	1	3	11	1	7	21	.....	.....	.....	.....	139 62	.....	139 62	-	
56.....	2	2	.....	.....	9	8	2	11	8	.....	.....	.....	.....	258 13	.....	258 13	-	
57.....	4	3	15	.....	5	26	4	9	11	.....	.....	.....	.....	415 77	.....	415 77	4 (State Hosp.)	
58.....	6	4	.....	1	1	6	7	5	6	.....	.....	.....	.....	649 79	.....	649 79	-	
59.....	6	11	.....	.....	9	10	7	8	10	6	3	5	.....	670 78	\$515 25	1,186 03	-	
60.....	6	10	.....	1	.....	8	7	10	8	.....	.....	.....	.....	683 66	.....	683 66	-	

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
61.....	72	F.	21	20	.....	.....	.....	1	60	Dk.	\$5 00	Dk.	12 m.	Dk.	1 m.	7	\$46 75	-
62.....	60	M.	21	20	1	.....	.....	.....	50	Dk.	5 00	Dk.	12 m.	Dk.	1 m.	8	50 00	1
63.....	39	M.	21	20	.....	.....	1	.....	29	Dk.	5 00	Dk.	12 m.	Dk.	4 m.	6	40 00	-
64	40	M.	21	19	.....	1	.....	1	18	A. & B.	9 70	Dk.	5 m.	Dk.	5 m.	11	90 93	3
65.....	34	M.	21	18	2	1	.....	.....	20	L.	2 m.	Dk.	6 m.	Dk.	1 m.	14	121 45	2
66.....	39	F.	21	19	1	.....	1	.....	20	Dk.	\$1 85	Dk.	12 m.	Dk.	3 m.	14	89 75	-
67.....	36	M.	22	22	.....	.....	.....	.....	17	Dk.	6 m.	Dk.	10 m.	Dk.	\$15 00	16	215 00	-
68.....	45	M.	22	21	.....	.....	.....	1	34	Dk.	\$5 00	Dk.	8 m.	Dk.	5 00	16	100 00	7
69.....	33	F.	22	19	1	2	.....	.....	18	Dk.	7 75	Dk.	12 m.	Dk.	3 m.	12	127 87	-
70.....	48	M.	22	15	.....	6	.....	1	35	Dk.	5 00	Dk.	5 m.	Dk.	\$2 00	15	163 00	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.	
	ON TERM SENTENCE.		FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.					
			Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.				No.	Yrs.	Mos.	Dys.		At H. of Cor., Deer Isl.	At Other County Instit.	Total.
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.				
61.....	9	2	.....	.....	6	20	9	8	20	.....	.....	.....	.....	\$853 99	.....	\$853 99	-
62.....	4	1	.....	.....	6	29	4	7	29	.....	.....	.....	.....	309 56	.....	309 56	-
63.....	6	7	.....	.....	4	28	6	11	28	.....	.....	.....	.....	614 30	.....	614 30	1 (Concord Ref.)
64.....	3	11	.....	.....	8	15	4	7	15	.....	.....	.....	.....	370 98	.....	370 98	1 (Concord Ref.)
65.....	1	8	.....	.....	11	5	2	7	5	.....	.....	.....	.....	228 14	*\$4 00	232 14	-
66.....	3	9	.....	.....	11	22	4	8	22	.....	.....	.....	8	378 33	37 71	416 04	-
67.....	3	11	.....	1	3	8	4	2	8	.....	.....	.....	.....	335 91	.....	335 91	-
68.....	1	7	.....	.....	10	27	2	5	27	.....	.....	.....	1	218 75	20 98	239 73	1 (Foxboro')
69.....	5	1	.....	1	3	10	6	4	10	.....	.....	.....	.....	556 22	.....	556 22	-
70.....	3	6	.....	1	5	13	4	11	13	.....	.....	.....	.....	427 99	.....	427 99	-

* Observation Hospital, 1 time.

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
71.....	59	M.	23	23	.....	.....	.....	.....	43	Dk.	\$5 95	Dk.	9 m.	Dk.	\$10 00	11	\$65 85	-
72.....	40	M.	23	23	.....	.....	.....	.....	26	Dk.	5 00	Dk.	6 m.	Dk.	1 m.	10	75 65	-
73.....	61	M.	23	23	.....	.....	.....	.....	43	Dk.	5 95	Dk.	8 m.	Dk.	5 m.	13	68 49	-
74.....	49	M.	23	21	2	.....	.....	.....	32	Dk.	5 95	Dk.	3 m.	Dk.	2 m.	19	106 39	-
75.....	51	M.	23	21	.....	1	1	.....	40	Dk.	5 00	Dk.	9 m.	Dk.	3 m.	17	95 00	-
76.....	51	M.	23	14	9	.....	.....	.....	38	Dk.	5 00	Dk.	6 m.	Dk.	6 m.	12	115 00	2
77... ..	57	M.	23	17	5	.....	.....	1	51	L.	4 m.	Dk.	6 m.	Dk.	6 m.	7	40 00	-
78.....	39	M.	24	24	..	.....	.....	.....	31	Dk.	1 m.	Dk.	5 m.	Dk.	4 m.	13	70 00	1
79.....	45	M.	24	21	1	.....	2	.....	32	Dk.	\$5 00	V.	6 m.	V.	4 m.	12	66 08	-
80.....	41	M.	24	17	2	1	3	1	20	V.	6 m.	V.	6 m.	Dk.	3 m.	14	123 70	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.	
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.				
	Yrs.		Mos.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	At H. of Cor., Deer Isl.	At Other County Instit.		Total.
	Dys.																
71.....	3	3	28	.....	5	.....	3	8	28	.....	.....	.....	.....	\$328 79	.....	\$328 79	-
72.....	3	3	10	.....	9	10	4	.....	20	.....	.....	.....	.....	356 20	.....	356 20	-
73.....	4	5	.....	.....	11	10	5	4	10	.....	.....	.....	.....	468 37.	.....	468 37	-
74.....	.....	8	15	1	1	12	1	9	27	.....	.....	.....	.....	154 45	.....	154 45	-
75.....	1	7	.....	1	6	1	3	1	1	.....	.....	.....	.....	271 11	\$811 73	1,082 84	-
76.....	2	4	.....	.....	10	12	3	2	12	.....	.....	.....	.....	279 78	.....	279 78	-
77.....	4	9	.....	.....	5	25	5	2	25	.....	.....	.....	.....	458 58	.....	458 58	-
78.....	2	4	10	.....	5	21	3	.....	1	.....	.....	.....	.....	263 79	.....	263 79	-
79.....	4	5	.....	.....	9	27	5	2	27	.....	.....	.....	.....	460 34	770 12	1,230 46	-
80.....	3	7	.....	1	3	8	4	10	8	.....	.....	.....	.....	426 51	665 86	1,092 37	2 (Foxboro')

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
										Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
				Dk.	L.	A. & B.	V.	Other.										
81.....	66	M.	24	15	3	4	.....	2	43	Dk.	\$7 85	Dk.	9 m.	Dk.	\$5 00	19	\$147 90	1
82.....	34	M.	25	25	.....	.....	.....	.....	18	Dk.	7 87	Dk.	6 m.	Dk.	5 00	18	131 12	2
83.....	60	M.	25	25	.....	.....	.....	.....	42	Dk.	3 10	Dk.	10 m.	Dk.	6 m.	6	40 05	1
84.....	47	F.	25	15	1	.....	.....	*9	22	I. & D.	2 m.	Dk.	8 m.	Dk.	1 m.	7	38 80	-
85.....	35	F.	25	21	.....	1	.....	3	17	I. & D.	4 m.	Dk.	12 m.	Dk.	\$5 00	12	64 60	-
86.....	41	F.	26	23	.....	.....	.....	3	23	Dk.	\$6 65	Dk.	6 m.	Dk.	6 m.	17	113 51	-
87.....	56	F.	26	24	1	.....	.....	1	43	Dk.	5 00	Dk.	6 m.	Dk.	6 m.	20	121 13	-
88.....	71	F.	26	21	.....	.....	4	1	58	Dk.	5 00	Dk.	12 m.	Dk.	6 m.	15	81 13	-
89.....	46	F.	27	25	.....	.....	.....	2	30	Dk.	5 95	Dk.	12 m.	Dk.	3 m.	17	94 17	1
90.....	47	M.	27	26	1	.....	.....	.....	23	Dk.	7 95	Dk.	5 m.	Dk.	\$5 00	21	123 70	1

* Nightwalking, 7 times; idle and disorderly, 2 times.

NUMBER.	TIME IMPRISONED AT DEER ISLAND' HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.				
	ON DIRECT SENTENCE.			FOR NON-PAYMENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.							
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.		Dys.	At H. of Cor., Deer Isl.	At Other County Instit.	Total.
81.....	1	6	.....	1	3	11	2	9	11	.....	.....	.....	.....	.....	.....	.....	\$244 21	.....	\$244 21	-
82.....	3	4	.....	1	2	17	4	6	17	.....	.....	.....	.....	.....	.....	.....	395 56	.....	395 56	-
83.....	8	7	.....	.....	4	23	8	11	23	.....	.....	.....	.....	.....	.....	.....	761 77	.....	761 77	-
84.. ..	6	1	.....	.....	4	26	6	5	26	1	.....	.....	.....	.....	.....	.....	569 91	*	569 91	1 (State Hosp.)
85.....	5	6	.....	.....	7	24	6	1	24	.....	.....	.....	.....	.....	.....	.....	539 51	.....	539 51	-
86.....	2	10	.....	1	.....	20	3	10	20	.....	.....	.....	2	.....	8	26	335 13	\$92 93	428 06	3 (State Hosp.)
87.....	2	3	.....	1	8	18	3	11	18	.....	.....	.....	.....	.....	.....	.....	348 37	.....	348 37	-
88.....	6	.....	.....	1	3	10	7	3	10	.....	.....	.....	15	1	9	4	637 39	221 72	859 11	-
89.....	5	.....	.....	1	3	.....	6	3	.....	*9	5	4	.....	.....	8	9	547 14	891 32	1,438 46	1 (Sherborn)
90.....	1	7	.....	1	4	5	2	11	5	.....	.....	.....	6	.....	10	.....	225 00	104 90	329 90	1 (Foxboro')

* Not ascertained.

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.				Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.	
				Dk.	L.	A. & B.	V.		Other.	Offence.	Penalty.	Offence.	Penalty.	Offence.				Penalty.
91.....	61	M.	30	30	.....	.....	.....	48	Dk.	\$5 00	Dk.	5 m.	Dk.	\$15 00	28	\$232 10	9	
92.....	53	F.	30	28	1	.....	.....	29	Dk.	3 m.	Dk.	12 m.	Dk.	2 m.	15	103 15	1	
93.....	46	M.	31	30	1	.....	.....	21	Dk.	\$7 95	Dk.	6 m.	Dk.	3 m.	23	160 55	3	
94.....	41	M.	31	26	.....	3	.....	27	Dk.	7 03	Dk.	6 m.	Dk.	\$5 00	18	163 69	2	
95.....	50	F.	32	30	1	.....	1	28	Dk.	5 95	L.	12 m.	Dk.	2 m.	19	118 00	3	
96.....	50	F.	32	32	.....	.....	.....	27	Dk.	12 65	Dk.	8 m.	Dk.	8 m.	24	132 55	-	
97.....	35	M.	32	21	9	1	.....	19	Dk.	5 95	Dk.	6 m.	L.	\$15 00	24	168 85	2	
98.....	36	M.	32	22	4	4	.....	18	Breaking glass.	9 95	Dk.	12 m.	Dk.	12 m.	17	207 28	-	
99	38	M.	32	13	3	7	.....	20	I. & D.	6 m.	Dk.	6 m.	Dk.	6 m.	13	191 75	1	
100.....	60	F.	33	33	.....	.....	.....	42	Dk.	\$5 95	Dk.	12 m.	Dk.	12 m.	19	102 00	1	

* Idle and Disorderly, 7 times

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.					
	ON TERM SENTENCE.		FOR NON-PAYMENT OF FINES.		TOTAL TIME.		H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instit.	Total.						
							No.	Yrs.	Mos.	Dys.	No.	Yrs.					Mos.	Dys.			
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.								
91.....	1	3	.....	1	3	15	2	6	15	.....	.....	.....	.....	\$223 20	.....	\$223 20	-				
92.....	7	.....	.....	.....	11	23	7	11	23	.....	.....	.....	5	2	2	20	693 95	\$272 80	966 75	-	
93.....	2	.....	.....	1	6	22	3	6	22	.....	.....	.....	.....	.....	.....	.....	217 93	.....	217 93	-	
94.....	6	4	27	1	7	18	8	.....	15	.....	.....	.....	.....	.....	.....	.....	706 38	.....	706 38	-	
95.....	5	5	.....	1	6	13	6	11	13	.....	.....	.....	.....	.....	.....	.....	610 73	.....	610 73	-	
96.....	4	2	.....	1	5	10	5	7	10	7	*	.....	.....	.....	.....	.....	488 40	*	488 40	-	
97.....	1	11	.....	1	8	2	3	7	2	.....	.....	.....	.....	.....	.....	.....	286 72	.....	286 72	-	
98.....	8		10	1	11	8	9	11	18	13	5	1		1		2	21	868 43	794 81	1,663 24	-
99.....	6	9	5	1	4	.....	8	1	5	.....	.....	.....	.....	.....	.....	.....	710 68	.....	710 68	-	
100.....	7	2	.....	1	1	28	8	3	28	.....	.....	.....	20	5	1	16	307 76	636 93	944 69	-	

* Not ascertained.

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
101.....	53	M.	33	33	....	.....	....	.....	29	Dk.	\$7 85	Dk.	6 m.	Dk.	\$5 00	22	\$141 25	3
102.....	51	M.	33	33	....	.....	....	.....	28	Dk.	7 95	Dk.	9 m.	Dk.	6 m.	24	135 70	1
103.....	44	M.	33	33	....	.....	....	.....	28	Dk.	5 95	Dk.	6 m.	Dk.	\$5 00	15	96 76	-
104.....	40	F.	33	32	1	.....	.....	.....	22	Dk.	5 95	Dk.	12 m.	Dk.	2 m.	25	133 55	-
105.....	46	M.	33	29	...	2	.....	2	30	Dk.	5 75	Dk.	3 m.	Dk.	\$5 00	29	172 78	2
106.....	61	M.	35	33	....	1	....	1	40	Dk. & L.	4 m.	Dk.	6 m.	Dk.	3 m.	22	124 98	1
107.....	70	F.	35	21	....	4	3	7	.....	Dk.	\$7 95	Dk.	12 m.	Dk.	9 m.	8	47 00	-
108.....	49	M.	35	30	3	.....	.....	2	18	I. & D.	2 m.	Dk.	12 m.	Dk.	\$7 00	19	168 14	9
109.....	63	F.	37	37	....	.....	.....	.....	37	Dk.	\$7 95	Dk.	12 m.	Dk.	4 m.	30	190 75	1
110.....	46	M.	37	33	1	.....	2	1	30	Dk.	5 95	Dk.	12 m.	Dk.	3 m.	19	140 55	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.					
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF. C., S. BOSTON.			ALMSHOUSES.								
	Yrs.		Dys.	Yrs.		Dys.	Yrs.		Mos.	Dys.	Yrs.		Mos.	Dys.	At H. of Cor., Deer Isl.		At Other County Instit.	Total			
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	No.	Yrs.	Mos.	Dys.							
101..	4	5	2	1	6	2	5	11	4	.....	.....	.....	.....	.....	\$513 69	.....	\$513 69	1 (Foxboro'.)			
102.....	3	3	15	1	8	26	5	.....	11	.....	.....	.....	.....	11	1	3	16	441 88	\$162 92	604 80	-
103.....	6	9	.....	1	.....	16	7	9	16	3	*	.....	.....	2	.....	2	26	687 65	29 99	717 64	-
104.....	5	4	.....	1	6	6	6	10	6	.....	.....	.....	.....	.....	.....	.....	.....	549 20	.....	549 29	-
105.....	.....	11	.....	1	10	23	2	9	23	.....	.....	.....	.....	.....	.....	.....	.....	141 31	.....	141 31	-
106.....	3	4	.....	1	7	18	4	11	18	.....	.....	.....	.....	.....	.....	.....	.....	429 18	.....	429 18	-
107.....	8	8	.....	.....	7	3	9	3	3	.....	.....	.....	.....	.....	.....	.....	.....	811 41	.....	811 41	-
108.....	6	8	5	1	2	10	7	10	15	.....	.....	.....	.....	.....	.....	.....	.....	685 35	† 5 50	690 85	-
109.....	2	9	.....	2	2	1	4	11	1	.....	.....	.....	.....	16	.....	10	4	425 12	106 30	531 42	1 (Insane Asyl.)
110.....	6	9	9	1	7	16	8	4	25	.....	.....	.....	.....	.....	.....	.....	.....	738 05	.....	738 05	-

* Not ascertained. † Observation Hospital at Deer Island, 2 times.

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
111.....	32	M.	37	27	1	1	1	7	22	A. & B.	\$23 95	Dk.	12 m.	Dk.	6 m.	20	\$123 98	1
112.....	43	M.	37	31	2	.....	4	.....	19	V.	4 m.	Dk.	12 m.	Dk.	3 m.	13	75 70	1
113.....	56	F.	38	37	.....	1	.....	.....	32	Dk.	3 m.	Dk.	12 m.	Dk.	4 m.	28	149 85	1
114.....	70	F.	39	33	3	.....	1	2	52	Dk.	\$5 00	Dk.	12 m.	Dk.	6 m.	18	101 85	-
115.....	42	M.	39	38	.....	1	.....	.....	20	Dk.	3 m.	Dk.	12 m.	Dk.	6 m.	20	140 43	-
116.....	60	F.	41	40	.....	1	.....	.....	41	Dk.	\$5 95	Dk.	12 m.	Dk.	3 m.	32	174 85	-
117....	48	M.	41	35	3	3	.....	.....	26	Dk.	7 95	Dk.	12 m.	Dk.	5 m.	21	132 18	-
118.....	48	M.	42	42	.....	.....	.....	.....	30	Dk.	3 10	Dk.	6 m.	Dk.	\$10 00	35	203 20	-
119.	52	M.	43	42	.....	.....	.....	1	37	Dk.	5 95	Dk.	12 m.	Dk.	5 00	31	177 60	1
120.....	46	F.	43	36	3	4	.....	.....	20	Dk.	5 85	Dk.	12 m.	Dk.	2 m.	26	206 53	-

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.			
	ON TERM SENTENCE.		FOR NON-PAY- MENT OF FINES.			TOTAL TIME.		H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instit.		Total.		
			Yrs.	Mos.	Dys.			No.	Yrs.	Mos.	Dys.	No.	Yrs.					Mos.	Dys.
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	No.	Yrs.		Mos.	Dys.	
111.....	8	10	.....	2	4	20	11	2	20	.....	.....	.....	.....	\$984 49	.....	\$984 49	-		
112.....	11	1	.....	.....	9	10	11	10	10	.....	.....	.....	.....	1,035 54	.....	1,035 54	-		
113.....	2	4	.....	1	9	3	4	1	3	.....	.....	.....	.....	358 80	.....	358 80	3 (State Hosp.)		
114.....	10		15	1	7	10	11	7	25				4	1		9	1,019 08	\$129 03	1,148 11
115.....	6	5	.....	1	5	2	7	10	2	.....	.....	.....	.....	628 40	.....	628 40	-		
116.....	5	1	.....	2	.....	10	7	1	10	.....	.....	.....	.....	624 02	.....	624 02	-		
117.....	7	3		1	5	1	8	8	1				23	3		12	756 48	381 90	1,138 38
118.....	2	1	.....	2	8	10	4	9	10	.....	.....	.....	.....	419 67	.....	419 67	1 (Concord Ref.)		
119.....	4	4	15	1	6	18	5	11	3	.....	.....	.....	.....	520 49	.....	520 49	-		
120.....	9	3		2		11	11	3	11	1	*		15	2	1	27	1,007 16	271 47	1,278 63

* Not ascertained

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.				Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.	Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
121.....	50	F.	46	45	1	.....	.....	.....	Dk.	\$5 95	Dk.	12 m.	Dk.	4 m.	33	\$174 50	1
122.....	54	M.	46	45	.....	1	.....	.....	Dk.	6 85	Dk.	12 m.	Dk.	2 m.	34	175 25	2
123.....	36	M.	47	39	7	.....	.....	1	Dk.	7 95	Dk.	12 m.	Dk.	3 m.	29	192 70	1
124	48	M.	49	35	8	3	1	2	Dk.	7 99	L.	8 m.	Dk.	6 m.	36	277 52	1
125.....	50	F.	49	49	.....	.....	.....	.....	Dk.	7 85	Dk.	12 m.	Dk.	1 m.	32	158 69	1
126.....	65	M.	49	17	18	6	3	5	Dk.	12 45	Dk.	6 m.	L.	1 m.	23	323 52	1
127.....	56	M.	53	43	.....	5	.....	5	Dk.	2 m.	Dk.	12 m.	Dk.	6 m.	33	218 17	4
128.....	41	F.	55	53	.....	.....	.....	2	Dk.	\$4 52	Dk.	12 m.	Dk.	4 m.	41	247 26	1
129.....	56	M.	57	53	2	2	.....	.....	Dk.	7 95	Dk.	12 m.	Dk.	\$5 00	40	278 45	8
130.....	45	M.	58	58	.....	.....	.....	.....	Dk.	9 57	Dk.	11 m.	Dk.	5 m.	42	273 71	1

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.	
	ON TERM SENTENCE.		FOR NON-PAY- MENT OF FINES.		TOTAL TIME.		H. OF C., S. BOSTON.			ALMSHOUSES.			At H. of Cor., Deer Isl.	At Other County Instlt.	Total.		
	Yrs.	Mos.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.					
121.....	5	8	.....	2	3	10	7	11	10	.....	.....	.....	.....	\$697 86	.....	\$697 86	-
122.....	4	7	.....	2	4	5	6	11	5	.....	.....	.....	.....	601 78	.....	601 78	-
123.....	5	.....	1	2	3	5	7	3	6	.....	.....	.....	.....	623 83	.....	623 83	-
124.....	4	10	.....	2	6	10	7	4	10	.....	.....	.....	.....	644 07	.....	644 07	-
125.....	5	9	.....	2	6	5	8	3	5	3	1	6	25	662 55	\$238 21	900 76	{ 1 State Hosp. { 1 Sherborn.
126.....	5	10	.....	3	1	.....	8	11	.....	.....	.....	.....	.....	776 28	.....	776 28	-
127.....	8	4	.....	2	11	2	11	3	2	.....	.....	.....	24	986 87	8 31	995 18	-
128.....	6	11	...	3	2	27	10	1	27	.....	.....	.....	.....	891 63	.....	891 63	-
129.....	6	.....	.....	2	.....	18	8	.....	18	.....	.....	.....	.....	707 10	.....	707 10	-
130.....	6	5	.....	2	10	13	9	3	13	.....	.....	.....	.....	812 79	.....	812 79	-

NUMBER.	Present Age.	Sex.	Times Com- mitted.	OFFENCES.					Age at First Commitment.	FIRST SENTENCE.		MAXIMUM SENTENCE.		LAST SENTENCE.		Times Fined.	Total Amount of Fines.	Times Paid.
				Dk.	L.	A. & B.	V.	Other.		Offence.	Penalty.	Offence.	Penalty.	Offence.	Penalty.			
131.....	52	F.	58	58	.....	.....	.....	.....	22	Dk.	\$7 95	Dk.	12 m.	Dk.	5 m.	44	\$289 10	-
132.....	44	M.	58	57	.....	.....	.....	1	20	Dk.	9 37	Dk.	12 m.	Dk.	5 m.	41	252 88	1
133.....	45	F.	59	56	2	.....	1	1	20	Dk.	7 95	Dk.	12 m.	Dk.	3 m.	44	277 50	-
134.....	64	M.	61	60	.....	.....	.....	1	41	Dk.	8 95	Dk.	6 m.	Dk.	\$10 00	50	281 15	1
135.....	48	F.	68	65	.....	3	.....	.....	20	Dk.	10 62	Dk.	* 18 m.	Dk.	5 00	45	336 19	-
136.....	50	M.	75	74	.....	.....	.....	1	19	Dk.	6 m.	Dk.	12 m.	Dk.	5 m.	45	317 65	6
137.....	75	M.	76	75	1	.....	.....	.....	52	Dk.	\$9 37	Dk.	11 m.	Dk.	\$5 00	52	333 33	-
138.....	68	M.	76	73	1	2	.....	.....	39	Dk.	6 m.	Dk.	12 m.	Dk.	4 m.	58	369 29	2
139.....	67	M.	102	100	1	.....	1	.....	42	Dk.	\$5 95	Dk.	12 m.	Dk.	\$5 00	78	461 51	1
140.....	73	F.	125	123	.....	.....	2	.....	44	Dk.	10 15	Dk.	12 m.	Dk.	12 m.	96	633 05	2

* On two counts.

NUMBER.	TIME IMPRISONED AT DEER ISLAND HOUSE OF CORRECTION.						COMMITMENTS TO OTHER COUNTY INSTITUTIONS.						ACTUAL COST OF MAINTENANCE.			Number Times Committed to State Institutions.					
	ON TERM SENTENCE.			FOR NON-PAY- MENT OF FINES.			TOTAL TIME.			H. OF C., S. BOSTON.			ALMSHOUSES.				At H. of Cor., Deer Isl.	At Other County Instit.	Total.		
	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	Yrs.	Mos.	Dys.	No.	Yrs.	Mos.	Dys.	No.	Yrs.					Mos.	Dys.
131.....	6	2	.....	3	6	8	9	8	8	.....	.....	.....	.....	.....	.....	\$846 00	.....	\$846 00	-		
132.....	6	.....	.....	2	10	10	8	10	10	.....	.....	.....	.....	.....	.....	778 39	.....	778 39	-		
133.....	6	.....	.....	4	6	9	10	6	9	.....	.....	.....	.....	1	.....	924 57	\$11 89	936 46			
134.....	4	.....	.....	3	1	2	7	1	2	.....	.....	.....	.....	24	3	4	22	622 11	427 30	1,049 41	6 (State Hosp.)
135.....	8	7	.....	3	10	27	12	5	27	.....	.....	.....	.....	3	.....	10	.....	1,097 25	104 90	1,202 15	-
136.....	12	.....	8	2	10	11	14	10	19	1	*	.....	.....	3	1	2	28	1,301 24	156 57	1,457 81	1 (Concord Ref.)
137.....	4	4	.....	3	10	10	8	2	10	.....	.....	.....	.....	.....	.....	765 31	.....	765 31	-		
138.....	8	1	.....	4	3	18	12	4	18	.....	.....	.....	.....	.....	.....	1,054 20	.....	1,054 20	1 (State Hosp.)		
139.....	9	6	.....	4	6	5	14	.....	5	.....	.....	.....	.....	.....	.....	1,231 10	.....	1,231 10	-		
140.....	15	8	.....	6	10	15	22	6	15	.....	.....	.....	.....	2	.....	2	14	1,976 36	25 82	2,002 18	-

* Not ascertained.



ANNUAL REPORT

OF THE

INSPECTION OF VESSELS AND BALLAST
DEPARTMENT

FOR THE YEAR 1900.

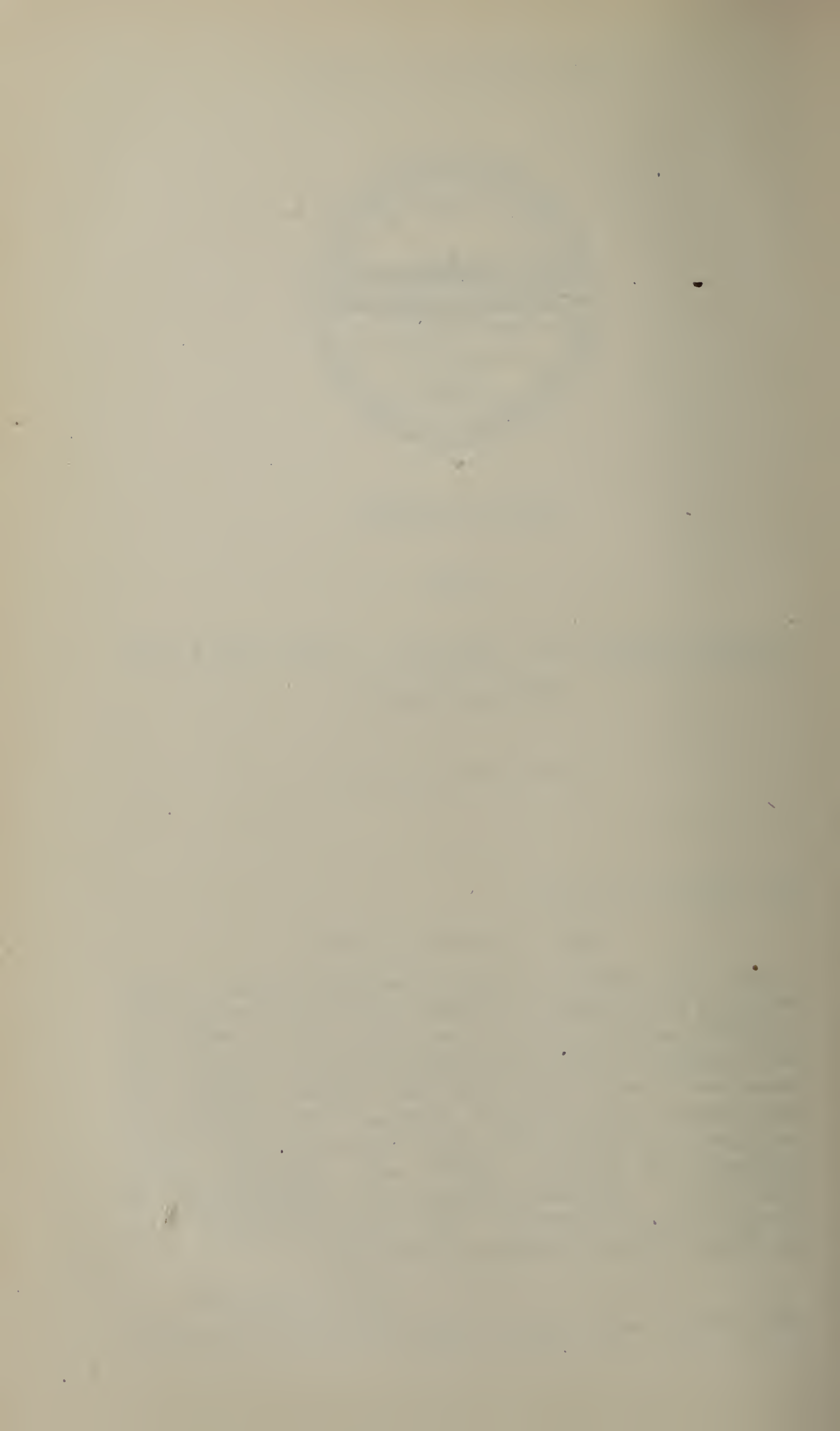
HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — In compliance with the ordinance relative to the Weighers and Inspectors of Vessels and Ballast Department, I herewith report that for the year ending Jan. 31, 1901, we have weighed, marked, and inspected three hundred and twenty-one vessels (321), and their cargoes delivered by them amount to thirty-eight thousand two hundred and ninety-nine (38,299) tons. The fees amount to nineteen hundred and fourteen dollars and ninety-five cents (\$1,914.95). Expenses of office for year, eighty dollars and ninety-nine cents (\$80.99). Net income, \$1,833.96. The net income has been divided by incumbents.

JOHN J. CADDIGAN,

Chief Weigher and Inspector Vessels and Ballast Department.





ANNUAL REPORT
OF THE
LAMP DEPARTMENT
FOR THE YEAR 1900-1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR, — In accordance with Section 24, Chapter 3, of the Revised Ordinances of 1898, I have the honor to submit for your consideration the annual report of the Lamp Department for the year 1900.

It contains a tabulated statement of the expenses of the Department during the year 1900, tables showing the average annual cost of burning the number of electric, gas, and naphtha-lamps in the different sections of the city, that were in use on the tenth day of January, 1901, at the present contract rates, other tables showing the increase or decrease of the various kinds of lamps in the several sections, copies of the contracts for furnishing the electric, gas, and naphtha-lamps, and an abstract of the general work performed by the Department during the past year, and such other information as may be of public interest.

The amount of money appropriated for the lighting of the streets, parks, and places, though large, must necessarily increase, as new lamps are added from year to year. Money so expended by the City, in the proper illumination of its streets, is not only a great benefit to the public in the lighting of many dark places, but also acts in a certain measure as police protection.

The original amount appropriated for this Department for the financial year ending on January 31, 1901, was \$680,000, a sum that was insufficient for the purposes of maintaining the existing lamps under contract, or admitting of the installation of any new lamps; an additional sum of \$62,000 was provided by the City Council in the supplementary appropriation bill passed on July 24, 1900. Owing to the fact that the necessary funds were not available until late in the season, the Department was unable to finish work that had been contemplated, for the installation of lamps on many new streets, and the improvement of the lighting of others.

There was expended \$728,107.09, leaving a balance of \$13,892.91. The comparative cost of maintenance between the electric-lamps and the gas and naphtha-lamps is shown as follows:

1899-1900.

Paid for gas and naphtha-lamps	\$280,655 36
Paid for electric-lamps	366,693 72

1900-1901.

Paid for gas and naphtha-lamps	\$311,942 57
Paid for electric-lamps	389,046 00

An increase of \$31,287.21 for gas and naphtha-lamps and an increase of \$22,352.28 for electric-lamps.

The seemingly large increase in 1900-1901 of the cost of maintaining the gas and naphtha-lamps is explained by the fact that during 1899-1900 the new Welsbach lamps were installed, and burned only for the last six months of the year, whereas during the past year these lamps have been maintained for the full twelve months.

There has been installed during the year 793 new lamps of all kinds, and 44 replaced lamps on such streets, parks, and places where needed; and many changes have been made in the location of lamps and the method of lighting in various sections of the City, which, upon investigation and inspection by night, have been found to be inadequately lighted.

Owing to the largely increased traffic and the numerous requests from the public for more light, the square at the South Terminal Station, Summer street, between Washington street and Dewey square, and a portion of Federal street have had sixteen "double" or "twin" arc-lamps located thereon, making a total of thirty-six lamps; and additional arc-lamps to the number of twenty-five have been

installed on the streets in the "South Cove" district and "Chinatown," for the better protection of the public, and in co-operation with the Board of Police in improving the morality and safety of this district at night, so that now it is considered the best lighted section of the City.

Summer-street extension and the new railroad bridge, L street and L-street bridge have been lighted their entire lengths. On the railroad bridge six "twin" arc-lamps were installed; special castings were required to be made for these lamps and bolted to the bridge structure in order to hold the posts in position, as no provision had been provided for the location of lamp-posts. The lighting of Haymarket square has been improved, and the main thoroughfares in the outlying wards have had arc-lamps substituted for the gas or naphtha lamps; among them may be mentioned Hyde Park avenue, Washington street, South street and Spring street, West Roxbury; Minot street and Geneva avenue, Dorchester; Faneuil street, Brighton; Columbia road, between Blue Hill avenue and Buttonwood street; also fifty-three lamps have been added to the Franklin Park arc system. Arc-lamps have been installed at the various skating grounds on the Park system for use during the skating season.

In Charlestown, along Main street, from City square to Sullivan square, at Hancock square and at Thompson square the arc-lamps have been relocated, and new ones added so as to overcome the darkness and shadows caused by the structure of the Boston Elevated Railway Company. The lighting of the new Charlestown bridge with thirty-five special crane lamps attached to the elevated structure has been assumed by this Department.

Owing to the change of grade of Cambridge street, Charlestown, occasioned by the abolishing of the railroad grade crossing, the arc-lamps were removed, and new ones relocated as the work on the street has progressed.

On Washington street, between Castle street and Bartlett street, the arc-lamps have been relocated and lowered as the obstruction of the light by the "Elevated" structure has made necessary the re-adjustment.

Work has been commenced for the lighting of Commonwealth avenue, between Brighton avenue and Chestnut Hill avenue, with arc-lamps, and is progressing as rapidly as the condition of the ground and other circumstances will admit.

Talbot avenue, between Washington street and Nightingale street, has been lighted with fourteen of the Kitson hydro-carbon lamps, as an experiment, and so far they have given a very brilliant and powerful light.

The Welsbach system of street lighting that was installed in June, 1899, in place of the old method of lighting the street gas-lamps in this city, has proven entirely satisfactory to this Department.

These lamps have been extended in the suburban wards, as far as practical, where the several gas companies have laid additional mains, and the new lamp has been substituted for the old naphtha-lamps wherever covered by the gas mains. On Blue Hill avenue, between Harvard street and Walk Hill street, these lamps have been installed, and the lighting of the avenue thus greatly improved.

A great many signs and numbers have been ordered and placed in the street lanterns, and it has been the endeavor of the Department to extend this convenience to the public wherever a necessity for the same has been found to exist. It is the intention of the Department to make as perfect a system as is possible in placing the proper signs and numbers in the lanterns.

During the fall months all of the gas and naphtha-lamp-posts, and also the brackets attached to buildings in use by this Department, were painted with "Blackite" in a thorough manner, thus improving their appearance.

Much work on underground repairs has been attended to; many service pipes that have had pick holes in them, that have been broken off or become rusted out, have been renewed; also service pipes that have become trapped or obstructed have been cleared or relaid. Quite a number of services have been relocated on account of the construction of sewers and the laying of water mains, etc.

Three hundred and thirty-seven lamp-posts of all kinds have been reset to line and grade or straightened as required by changes in the grades of streets, and 758 lamp-posts and brackets have been removed from the streets. The number of posts that have been broken has decreased during the past year.

On the main thoroughfares and the streets in the business section most of the unused lamp-posts have been removed. Forty-seven naphtha and 34 gas posts have been shifted and set in new locations where better service could be obtained by the change. Of common naphtha-lamps 84 have had new boulevard Welsbach lamps substituted in place of them, and the Department finds that as a result they give a light equal to the gas-lamps, and it is recommended that Welsbach naphtha lamps be substituted for all the common naphtha-lamps, and thus give to the citizens of those portions of the city now supplied with the common or ordinary naphtha-

lamps a system of lighting that will be a decided improvement over the present system.

The large net increase (239) in Dorchester of the new Welsbach lamps and the corresponding decrease (200) of the naphtha-lamps, as compared with the other sections, has been brought about by the activity of the gas company in extending its mains in that section.

A new contract has been entered upon with the Brookline Gas Light Company for furnishing arc lamps in the Brighton district; the company agrees to furnish and set hard pine lamp-poles without expense to this Department and substitute new inclosed arc-lamps. A reduction in the price per lamp is made as the number in use increases from time to time, according to a schedule as embodied in the new contract.

Under the existing lighting contracts there being no present use for the shop and yard on Albany street, it was recommended that the stock (old and new) on hand be disposed of to the best advantage of the City, and that the premises, consisting of 8,000 feet of land and the buildings located thereon, be rented to responsible parties. With the approval of the Mayor, the shop and yard were rented to the Rising Sun Street Lighting Company, as tenants at will, and the stock, etc., was sold to the same company.

The old lanterns that were stored in the yards of the Street Department were disposed of under authority of the following order passed by the City Council.

Ordered, That the Superintendent of Lamps, with the approval of the Mayor, be, and hereby is, authorized to sell the old street lamps in charge of his Department.

Tests of the electric current have been made at the power-station of the Boston Electric Light Company, and found to conform with the requirements of the contract, which is, "not less than 500 watts in the average and not less than 480 watts in any case." Without the knowledge of the company, private tests of the arc-lamps have been made at night on the streets in various districts, by responsible electrical experts. Their report is as follows:

BOSTON, May 25, 1900.

DEAR SIR, — We beg to give below results of tests made on the arc-lights service of the Boston Electric Light Company on May 22d.

Three lamps were tested. One on Hamilton street in the business district, one at the North End, and another at Franklin Park. Tests on each lamp lasted for at least one hour and fifteen minutes, with the following results: Average amperes, 6.8; average volts, 74.5; average watts, 507. You will note from these results that the

average watts is slightly over 500. The tests show that occasionally watts dropped below 480, but these periods of low wattage are only of rare occurrence for very short durations of time. Trusting that this report will meet with your approval, we beg to remain,

Yours very truly,

STONE & WEBSTER.

On October 10, 1900, the number of all the arc-lamps furnished by the Boston Electric Light Company to the City having reached the number of 2,750, the price, as provided for in the second article of the contract, was reduced from 35 cents to 34½ cents per lamp per night, and the price for arc-lamps connected to the underground wires belonging to the City was reduced to 33½ cents per lamp per night.

Owing to the thickness of the foliage and low hanging limbs on the trees on many of our suburban streets the diffusion of light is obstructed greatly. In some instances the lamps have become so surrounded by the foliage as to be practically useless, as far as shedding a satisfactory light upon the street is concerned. It is true that some of these trees are situated on private grounds, but they overhang the sidewalk to such an extent as to be a detriment to the lighting of the street. Some action should be taken toward having any and all trees trimmed that are now interfering with the proper diffusion of the light on the streets and ways of the City.

GAS LIGHTING.

The following table shows the total number of gas-lamps in use each year, as per annual reports, since 1866 :

Dec. 15, 1866	.	3,568	Dec. 15, 1884	.	9,781
Dec. 15, 1867	.	4,304	Dec. 15, 1885	.	9,986
Dec. 15, 1868	.	4,414	Dec. 15, 1886	.	10,080
Dec. 15, 1869	.	5,040	Dec. 15, 1887	.	10,157
Dec. 15, 1870	.	5,405	Dec. 15, 1888	.	10,104
Dec. 15, 1871	.	5,888	Dec. 15, 1889	.	9,878
Dec. 15, 1872	.	6,344	Dec. 15, 1890	.	9,247
Dec. 15, 1873	.	6,776	Jan. 15, 1892	.	8,907
Dec. 15, 1874	.	8,420	Jan. 15, 1893	.	8,731
Dec. 15, 1875	.	9,040	Jan. 15, 1894	.	8,752
Dec. 15, 1876	.	9,525	Jan. 15, 1895	.	7,440
Dec. 15, 1877	.	9,749	Jan. 15, 1896	.	7,592
Dec. 15, 1878	.	9,992	Jan. 15, 1897	.	7,682
Dec. 15, 1879	.	10,139	Jan. 15, 1898	.	8,103
Dec. 15, 1880	.	10,296	Jan. 15, 1899	.	8,151
Dec. 15, 1881	.	10,427	Jan. 10, 1900	.	8,320
Dec. 15, 1882	.	10,278	Jan. 10, 1901	.	8,637
Dec. 15, 1883	.	9,623			

The new Welsbach gas-lamps located during the past year have been distributed as follows :

Dorchester.

Adams street	1	Kerwin street	3
Allston street	1	Kineo street	1
Alpha road	2	Lauriat avenue	1
Ashmont park	1	Mather street	1
Ballou avenue	4	Morton street	1
Barnes street	2	Mt. Ida road	1
Blue Hill avenue	3	Mt. Vernon street	2
Bowman street	2	Nottingham street	1
Brent street	1	Northam park	3
Brunswick street	2	Pinckney road	2
Buttonwood street	1	River street	1
Calder street	2	Roseclair street	1
Callender street	2	Rowe street	2
Centre court	1	Salisbury park	2
Cottage terrace	2	Shepton street	2
Dix street	1	Sidney street	2
Draper street	4	Stratton street	3
Dudley street	1	Sumner terrace	1
Duke street	3	Tenean street	1
Euclid street	1	Whitby terrace	2
Folsom street	1	Wilbur street	1
Greenwood park	2	Willowwood street	2
Greenwood street	2	Withington street	1
Harlem street	1	York street	3
Harwood street	2		

West Roxbury.

Albano street	1	Grovenor road	4
Aldworth street	3	Hathaway place	1
Arcadia street	1	Irving street	1
Beethoven street	1	Jackson place	1
Boylston place	1	Lindall street	1
Brook road	1	Lorraine street	1
Brookside avenue	1	Lotus place	1
Brown avenue	1	Montebello street	6
Brown place	1	Montclair avenue	3
Burlingame way	1	Montello street	1
Call street	2	Mt. Vernon street	1
Centre street	1	Ophir street	2
Chestnut avenue	1	Patten street	4
Congreve street	3	Paul Gore street	1
Corey street	2	Robinwood avenue	1
Custer street	1	South street	1
Dudley avenue	1	Sycamore street	2
Fletcher street	4	Tomfohrde place	1
Garfield avenue	2	Tower street	1
Germania street	1	Williams terrace	1
Glade avenue	1	Willow street	3

Roxbury.

Alleghany street . . .	1	Hollander street . . .	3
Bickford avenue . . .	1	Homestead park . . .	1
Bragdon street . . .	1	Huntington avenue, rear	
Calumet street . . .	1	of	1
Codman Hill street . .	1	Hutchings street . . .	4
Creighton street . . .	1	Longwood avenue, rear of,	1
Creighton street, rear of	1	Magazine street . . .	1
Cunard street . . .	1	Mozart place	2
Davenport street . . .	1	Oscar street	1
Echo street	1	Paulding street . . .	1
Eustis street, rear of .	1	Rheims place	1
Fairweather street . .	2	Ruggles street	1
Fisher avenue	5	Sunderland street . . .	1
French terrace	1	Sunnyside street . . .	1
Gardner avenue	1	Ward street	1
Georgia street	1	Warren street	2
Glenwood street, rear of	2	Waumbeck street . . .	1
Gore avenue	1	Yeoman place	1
Harold street	8	Yeoman court	1
Harrishof street . . .	5		

City Proper.

Allston place	1	Myrtle street	1
Appleton street, rear of	1	Newbury street, rear of	1
Barrett street	1	Northampton street . .	1
Chandler street, rear of	1	Public alley 435 . . .	1
Clarendon street, rear of	1	Rutland street	1
Farwell avenue	4	Stillman street	1
Ferry court	1	Union Park street . . .	1
Friend street	1	Way street	1
Kennard avenue	1	Webster avenue	1
Lovett place	1		

Brighton.

Adie street	1	High Rock way	2
Allston tunnel	1	Kilsyth road	1
Dunboy street	1	Oak Square avenue . . .	5
Farrington avenue . . .	1	Weitz street	2
Franklin street	1		

Charlestown.

Carter street	1	Lincoln street	1
Furbush court	2	Mansfield place	1
Gilbert avenue	1	Oak street	1
Harvard square	1	Park street, rear of . .	2
Joiner street	1	Temple street, rear of .	1
Joiner street, rear of . .	1	Wood street	1

South Boston.

Acadia street	1	Peters street	1
Burnham place	1	Second street	1
First street	2	Seventh street	1
Harold place	1		

East Boston.

Bremen street	1	Leyden street	1
Havre street, rear of . .	1	Meridian street	1

The Welsbach gas-lamps that have been substituted for naphtha-lamps have been distributed as follows:

Dorchester.

Angell street	1	Morton street	5
Ballou street	2	Rich street	2
Bernard street	1	Rockland street	2
Blue Hill avenue	1	Rock terrace	2
Buttonwood street	3	Sanford street	2
Callender street	12	Sullivan place	1
Codman street	1	Templeton street	2
Danube street	1	Tenean street	13
Evelyn street	1	Tileston street	8
Fessenden street	2	Wainwright street	2
Frederika street	2	Wales place	3
Granville street	1	White terrace	1
Granite avenue	10	Willis street	1
Lauriat street	2	Woodlawn street	3
Locust street	2	Woolson street	1
Mattapan street	5	West Selden street	22
Milton street	6		

West Roxbury.

Ashland street	1	Mozart street	5
Aldrich street	2	Penfield street	3
Dudley avenue	1	Plainfield street	3
Fletcher street	1	Sycamore street	4
Hawthorne street	3	Temple street	3
Jackson place	1	Willow street	3
Montclair avenue	1		

South Boston.

Old Harbor street	1	Third street	1
Rawson street	2	Washburn street	2

Roxbury.

Bragdon street	1	Woodcliff street	1
Dacia street	2		

East Boston.

Breed street 1 | Leyden street 3

The Welsbach gas-lamps that have been substituted for Welsbach naphtha lamps have been distributed as follows :

Dorchester.

Blue Hill avenue . . . 58 | Morton street 6

FIRE-ALARM LAMPS.

There are 112 gas-lamps in use for the purpose of indicating the location of fire-alarm signal boxes. This Department assumes the cost of lighting and care of these lamps and furnishes the gas for the same. All repairs on these lamps are made by the Fire Department.

HOURS OF BURNING.

The public lamps are burned every night throughout the year — a total of three thousand eight hundred and twenty-eight hours for each lamp.

The following table shows the time of lighting and extinguishing the gas-lamps for the different months of the year :

LIGHT AT			OUT AT			
Jan. 15.	4.45	P.M.	Jan. 16.	6.00	A.M.	
" 22.	5.00	"	" 23.	6.00	"	
Feb. 5.	5.15	"	Feb. 6.	5.45	"	
" 12.	5.30	"	" 13.	5.30	"	31 nights. 398½ hours.
Feb. 15.	5.30	P.M.	Feb. 16.	5.30	A.M.	
" 26.	5.45	"	" 27.	5.15	"	
Mar. 11.	6.00	"	Mar. 12.	5.00	"	28 nights. 325½ hours.
Mar. 15.	6.00	P.M.	Mar. 16.	5.00	A.M.	
" 19.	6.00	"	" 20.	4.45	"	
" 23.	6.15	"	" 27.	4.45	"	
Apr. 1.	6.15	"	Apr. 2.	4.30	"	
" 9.	6.30	"	" 10.	4.15	"	31 nights. 322½ hours.
Apr. 15.	6.30	P.M.	Apr. 16.	4.00	A.M.	
" 24.	6.45	"	" 24.	3.45	"	
May 7.	7.00	"	May 8.	3.15	"	30 nights. 268 hours.
May 15.	7.00	P.M.	May 16.	3.15	A.M.	
" 21.	7.15	"	" 22.	3.00	"	
June 4.	7.30	"	June 5.	3.00	"	31 nights. 240½ hours.
June 15.	7.30	P.M.	June 16.	3.00	A.M.	
July 14.	7.30	"	July 15.	3.00	"	30 nights. 225 hours.
July 15.	7.30	P.M.	July 15.	3.00	A.M.	
" 30.	7.15	"	" 31.	3.15	"	
Aug. 6.	7.15	"	Aug. 7.	3.30	"	
" 13.	7.00	"	" 14.	3.30	"	31 nights. 243½ hours.
Aug. 15.	7.00	P.M.	Aug. 16.	3.30	A.M.	
" 27.	6.30	"	" 28.	4.00	"	
Sept. 3.	6.15	"	Sept. 4.	4.00	"	
" 10.	6.15	"	" 11.	4.15	"	31 nights. 286½ hours.

Sept. 15.	6.15	P.M.	Sept. 16.	4.15	A.M.	
" 17.	6.00	"	" 18.	4.15	"	
" 24.	5.45	"	" 25.	4.30	"	
Oct. 1.	5.30	"	Oct. 2.	4.30	"	
" 8.	5.30	"	" 9.	4.45	"	30 nights. 322½ hours.
Oct. 15.	5.15	P.M.	Oct. 16.	4.45	A.M.	
" 22.	5.00	"	" 23.	5.00	"	
" 29.	4.45	"	" 30.	5.00	"	
Nov. 5.	4.45	"	Nov. 6.	5.15	"	
" 12.	4.30	"	" 13.	5.30	"	31 nights. 376¾ hours.
Nov. 15.	4.30	P.M.	Nov. 16.	5.30	A.M.	
" 25.	4.15	"	" 26.	5.45	"	
Dec. 14.	4.15	"	Dec. 15.	5.45	"	30 nights. 400 hours.
Dec. 15.	4.15	P.M.	Dec. 16.	5.45	A.M.	
" 24.	4.30	"	" 25.	6.00	"	
Jan. 14.	4.30	"	Jan. 15.	6.00	"	31 nights. 418½ hours.
Total, 365 nights or 3,828 hours.						

GAS LIGHTING CONTRACT.

The Rising Sun Street Lighting Company, a corporation duly established under the laws of the State of Maine, having a usual place of business in the City of Boston, in the County of Suffolk, and Commonwealth of Massachusetts, hereinafter called the contractor, of the first part, and the City of Boston, a municipal corporation in said Commonwealth, hereinafter called the City, of the second part, agree as follows:

ARTICLE I. Said contractor shall have the charge of all gas-lanterns hereafter used for lighting the streets and places of said City, except, such lanterns as said contractor shall be notified from time to time by the Superintendent of Lamps of said City to discontinue; shall within four months after June 1, 1899, place on every post designated, within one month after the date hereof, by said Superintendent, a boulevard lantern of said contractor like the lantern deposited as a sample in the office of said Superintendent and marked "Welsbach Boulevard, No. 1," and shall within five days after being notified by said Superintendent so to do, place on every additional post specified by the said Superintendent, and furnished with a supply pipe from the gas main to the top of the post, a similar lantern; shall, when required by said Superintendent, furnish in place of any lantern, whether owned by the City or said contractor, other than a boulevard lantern, a lantern of the pattern now kept in said office as specified by said Superintendent, or any other lantern, if the contractor and the Superintendent shall so agree; shall place and maintain on every gas-lantern when in use, whether owned by the City or said contractor, a Welsbach burner and mantle, and furnish gas and keep it burning in every such lantern during the hours shown on time cards to be furnished by said Superintendent, so as to give a sixty (60) candle-light; shall kept all lanterns when in use in good repair and condition and well painted, and properly replace all broken or displaced glass and signs on said lanterns before the next time of lighting, the signs to be furnished by the City, but placed and kept securely fastened by the contractor; shall clean all lanterns when in use as often as once a week, and oftener if required, to keep the light from being obstructed; and shall when it removes a lantern without substituting another therefor, properly plug the pipe so that the gas will not escape therefrom.

The Superintendent of Lamps and the contractor may agree at any time to install in lieu of gas-lamps as many Welsbach naphtha

lights of sixty (60) candle-power each with boulevard lanterns of approved pattern as may be necessary to fully carry out this contract, same to be kept and maintained as herein provided under and subject as to cost and other requirements to all the other provisions and obligations of this contract applicable thereto.

ARTICLE II. Said contractor shall report in writing at the office of said Superintendent on Thursday of each week, and on the ninth of each month, the number of said lanterns lighted on each night subsequent to the last report, giving in each report the name of each person engaged in lighting the lanterns and the number lighted by each person.

ARTICLE III. Said contractor shall have the use of all property now belonging to the City, and used by the Superintendent of Lamps in carrying on the duties of his Department, as the contractor considers necessary to carry out this agreement; shall keep the same in good condition and repair, and replace any thereof that shall be destroyed or injured, and shall return the same to said City in like good order and condition when the lanterns to be placed within four months from the time this contract goes into effect are so placed.

ARTICLE IV. Said City shall lay and maintain all gas-pipes to the burners in the care and charge of said contractor and keep the same in good condition and repair; as full payment for everything furnished or done by, or resulting to, the contractor in carrying out this contract, shall for each year of three thousand eight hundred twenty-eight (3,828) hours pay for each and every lantern taken care of and lighted by said contractor as aforesaid, at the rate of thirty (30) dollars per year, in proportional monthly payments on the first day of each and every month; *provided, however*, that if any lantern has not been kept and lighted in accordance with this contract during all the hours required by said time card a proportional deduction, as determined by said Superintendent, shall be made; and *provided, further*, that if at any time by reason of a reduction by any gas company in the price of gas, the contractor shall procure its gas supply at a lower average price per lamp for the whole number of lamps lighted than the average price paid for gas by the contractor when the system provided for herein is fully installed, the said rate paid by the City shall be reduced by the amount of the reduction in the price of gas so secured. (It is understood and agreed that any reduction made prior to the complete installation of the Welsbach system shall be calculated in the deduction from the rate to be made as before provided with like force and effect as if made thereafter, but the contractor shall receive the full rate until such installation is complete.) The contractor shall render to the City statements every three months, showing such reductions, if any, and the amounts of same accrued during the prior three months shall be deducted from the next payments due the contractor. The said rate paid by the City shall then be adjusted in accordance with such reductions.

ARTICLE V. This contract shall take effect June 1, 1899 (which date may be changed by mutual consent), and shall continue in force subject to the necessary appropriation being made for gas-lighting, for the term of seven years from June 1, 1899, — but any change of date shall not relieve the contractor from its obligation to have the Welsbach system as provided herein fully installed and in operation within four months from June 1, 1899, and shall continue thereafter until a new agreement is made by the parties, or until the

expiration of three months after notice in writing which may be given prior to said date by either party of its election to terminate the contract at the end of the period of seven years as herein provided, and on such termination the said contractor may remove its lanterns and all other property by it furnished under this agreement, providing the same is not purchased by the said City. If at the expiration of said term the Mayor of said City desires that the City shall purchase the lanterns, burners, and mantles of said contractor and notifies the contractor to that effect, the contractor shall convey the same to the City upon terms to be agreed upon by the parties at that time, and, if they cannot agree, the same shall be fixed by three persons, one to be selected by the Mayor of said City, one by the contractor, and the third by the two so selected, and the decision of a majority thereof shall be binding upon the parties; and *provided, further*, that the contract shall continue for a second period of seven years if the Mayor of said City shall within three months from the expiration of the first period of seven years so notify in writing the contractor.

In witness whereof, the said Rising Sun Street Lighting Company, by its proper officer, and the said City by its Superintendent of Lamps, duly authorized and approved by the Mayor, have hereunto set their hands and seals on this thirty-first day of May, A.D. 1899.

THE RISING SUN STREET LIGHTING COMPANY,

By WESLEY A. GOVE, *President*.

CITY OF BOSTON,

By

JAMES DONOVAN, *Superintendent of Lamps*.

Approved.

JOSIAH QUINCY, *Mayor of Boston*.

NAPHTHA LIGHTING.

There are in use at present 2,304 common and 33 Welsbach naphtha-lamps. There are 43 common naphtha-lamps fitted with mantles. These lamps are located principally in the suburban districts, and in alleyways where there are no gas mains or other means of lighting.

The rate of compensation is \$22.81 per lamp per annum for the ordinary naphtha burner, and when an incandescent mantle burner is used the sum of three-quarters of one cent additional per lamp per night is paid.

The rate for the Welsbach naphtha-lamps is \$30 per lamp per annum.

The following table shows the total number of naphtha-lamps in use each year since their introduction:

Jan. 15, 1892	. . .	80	Jan. 15, 1897	. . .	2,624
Jan. 15, 1893	. . .	2,846	Jan. 15, 1898	. . .	2,646
Jan. 15, 1894	. . .	2,803	Jan. 15, 1899	. . .	2,615
Jan. 15, 1895	. . .	2,709	Jan. 10, 1900	. . .	2,551
Jan. 15, 1896	. . .	2,676	Jan. 10, 1901	. . .	2,304

The new naphtha-lamps, located during the past year have been distributed as follows:

West Roxbury.

Amesbury street	2	Kittredge street	1
Augustus avenue	1	Linden street	1
Berwick street	3	Malcolm street	3
Billings street	2	Montello street	3
Clarendon avenue	2	Mt. Vernon street	4
Clarendon park	2	Myer street	4
Clifton street	1	Patten street	2
Durant street	4	Porter street	1
Fletcher street	3	Vermont avenue	3
Hamilton street	3	Walnut street	1
Harrison street	1	Wiggin street	1

Dorchester.

Ballou place	1	Rockland avenue	2
Bullard street	1	Washington court	1

Brighton.

Faneuil street	4	Oak Square avenue	1
Montfern street	3		

East Boston.

Boardman street	10
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South Boston.

Third street, rear of	2
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Roxbury.

Dove court	2
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Naphtha-lamps that have been changed to Welsbach naphtha-lamps have been distributed as follows:

Dorchester.

Blue Hill avenue	58	Granger place	1
Duncan street	2	Leonard place	1
Fenton street	2	Morton street	8
Granger street	3		

South Boston.

Athens street	1	Mitchell street	2
Bolton street	1	Ninth street	2
Baldwin place	2		

Roxbury.

Codman place 1

New Walsbach naphtha-lamps have been distributed as follows :

West Roxbury.

Arborway 8

Brighton.

Kilsyth road 3

The new "Kitson" lamps have been distributed as follows in Dorchester :

Denny street 2 | Talbot avenue 14

NAPHTHA CONTRACT.

The following is a copy of the new contract :

The Rising Sun Street Lighting Company, a corporation organized under the laws of the State of Maine, having its usual place of business in the Commonwealth of Massachusetts, and the City of Boston, a municipal corporation of said Commonwealth, by the Superintendent of Lamps of said City, agree as follows:

ARTICLE I. Said Company shall have the lighting of all naphtha street lanterns that may be used by said City for lighting its streets and places during the continuance of this contract; shall, within ten days of the day on which it shall be notified by said Superintendent that any additional naphtha street lantern mounted on a post or bracket is required to be used, furnish and supply to such lantern one of said Company's naphtha burners, with pipe, stop-cock, water-trap and a reservoir capable of holding sufficient naphtha to operate the burner for fourteen hours, and with incandescent mantle, if required by said Superintendent shall keep all said lanterns, except such as are unfit to be used and such as the Superintendent shall notify the Company that he has discontinued the use of, and the lighting apparatus thereof clean and in good condition and repair, and shall renew such mantles as often as may be necessary to maintain a proper light therefrom; shall be responsible for all damages occasioned to any such lantern or burner by any act or neglect of said Company, its agents or employees; shall notify said Superintendent as soon as any post or bracket has been damaged, or any lantern has become unfit to be used, and the Superintendent shall, if he desires the use thereof continued, forthwith repair the same, or furnish a new one in its place; glass broken shall be renewed by said Company.

ARTICLE II. Said Company shall furnish for all lanterns that are to be used naphtha of the best quality, seventy-four to seventy-six degrees (74-76) gravity; shall light and extinguish said lanterns according to a time card to be furnished by said Superintendent;

shall so furnish and keep the burner of every lantern to be used as aforesaid that it will give at all times a light equal to that given by an ordinary gas-burner burning four feet of fourteen-candle gas per hour, and a light equal to at least twice such an amount in case an incandescent mantle is used.

ARTICLE III. Said Company shall do all said matters and things relating to said lanterns, burners and mantles, and the lighting, care and repair thereof to the satisfaction of said Superintendent, and shall report in writing at the office of said Superintendent, on Thursday of each week, the number of said lanterns lighted on each night of the preceding seven (7) days, and on the fifteenth day of each month the number of said lanterns lighted on each night subsequent to the last report; and shall, in each of said reports, give the name of each person engaged in lighting the lanterns and the number lighted by each person, and shall specify the lanterns furnished with said mantles, and give dates of renewal of same.

ARTICLE IV. Said City, as full compensation for the performance by said Company of its agreements aforesaid, shall pay to said Company the sum of twenty-two dollars and eighty-one cents (\$22.81) per year of three thousand eight hundred and twenty-eight (3,828) hours for each and every naphtha lantern so taken care of and lighted by said Company, when lighted by a burner known as the ordinary naphtha burner, such as the City is now using, and the sum of three-quarters of one cent ($\frac{3}{4}$ of 1 cent) additional per night when lighted by a naphtha incandescent mantle light; said payments to be made in proportional monthly instalments on the first day of each month; *provided, however*, that if any lantern has not been kept lighted as aforesaid to the satisfaction of said Superintendent during all the hours required by said time card, a proportional deduction may be made therefor in said monthly payments.

ARTICLE V. The contract now existing between said Company and said City, dated March 18, 1896, is hereby annulled and this contract shall take the place thereof, and shall, subject to the necessary appropriation being made annually therefor, continue in force for the term of five years from the date hereof, and thereafter until terminated on three months' notice in writing by either party, which notice may be given at any time after four years and nine months from the date hereof; and upon any such termination said Company may remove its lighting apparatus from said lanterns.

Signed this thirty-first day of October, A.D. 1898.

ELECTRIC LIGHTING.

The arc-lamps located in the City proper, East Boston, South Boston, Dorchester, Roxbury, and West Roxbury, are furnished by the Boston Electric Light Company, those in Charlestown by the Charlestown Gas and Electric Company, and in Brighton by the Brookline Gas Light Company. The new lamps used are the enclosed series arc-lamp of 500 watts, and are placed on hard-pine poles, with ornamental iron tops and porcelain-lined reflectors, devised to meet the requirements of the law. (Chapter 228, Acts 1895.)

These lamps have been installed in the whole district supplied by the Boston Company, and the open arcs in the districts supplied by the Charlestown and Brookline Companies are being gradually changed for the inclosed lamp. The companies are required to keep all the poles, lines and lamps used for the City's lighting in good condition, and to the satisfaction of the Superintendent of Lamps.

The following table shows the number of arc-lamps in use each year :

December 15, 1882 . . .	114	January 15, 1893 . . .	1,547
December 15, 1883 . . .	381	January 15, 1894 . . .	1,580
December 15, 1884 . . .	401	January 15, 1895 . . .	2,358
December 15, 1885 . . .	446	January 15, 1896 . . .	2,434
December 15, 1886 . . .	501	January 15, 1897 . . .	2,566
December 15, 1887 . . .	577	January 15, 1898 . . .	2,735
December 15, 1888 . . .	704	January 15, 1899 . . .	2,893
December 15, 1889 . . .	798	January 10, 1900 . . .	3,024
December 15, 1890 . . .	1,125	January 10, 1901 . . .	3,416
January' 15, 1892 . . .	1,447		

The 406 new arc-lamps erected during the past year have been located as follows :

City Proper.

Astor street	1	Falmouth street	1
Atlantic avenue	5	Federal street	3
Battery street	1	Harrison avenue	1
Beach street	1	Haverhill street	1
Bedford street	2	Haymarket square	1
Belvidere street	1	Hersey place	1
Blackstone street	1	Lancaster street	1
Boston Common	1	Lincoln street	1
Broad street	1	New Charlestown bridge, .	13
Broadway	1	Oliver place	2
Buckingham street	1	Otis street	1
Central wharf	1	Oxford place	2
Chambers street	1	Oxford street	2
Chandler street	1	Purchase street	1
Columbia street	1	South street	1
Congress street	1	Summer street	13
Dartmouth street	1	Tremont street	3
Dorchester avenue	1	Trinity place	1
East street	1	Tufts street	1
Edinboro' street	2	Utica street	2
Essex street	1	Washington street	1

Brighton.

Faneuil street	4	Linden street	1
Holton street	1	Washington street	1

Roxbury.

Amory street	1	Maywood street	1
Beacon street	1	Mt. Pleasant avenue . .	3
Brookline avenue . . .	1	Parker street	1
Columbus avenue . . .	1	Parker Hill avenue . .	1
Columbus-avenue play-ground	3	Regent street	1
Conant street	1	Riverway	1
Dale street	1	Smith street	2
Dudley street	2	St. Alphonsus street . .	1
Gannett street	1	Terrace street	5
Heath street	1	Warren street	1
		Washington street . .	1

Dorchester.

Adams street	1	Lauriat avenue	1
Boston street	1	Minot street	4
Charles street	2	Morton street	1
Centre street	1	Norfolk street	1
Columbia road	26	Park street	5
Dorchester avenue . .	3	Rockwell street	1
Franklin field	8	Waldeck street	2
Geneva avenue	5	Washington street . .	2

West Roxbury.

Ashland street	1	Kittredge street	3
Boylston street	4	Park street	1
Centre street	1	South street	11
Chestnut avenue	1	Spring street	10
Corey street	1	Washington street . .	7
Franklin park	53	Williams street	2
Hyde Park avenue . . .	22		

South Boston.

Broadway	1	Seventh street	1
Columbia road	6	Sixth street	2
Fifth street	1	Summer street	12
L street	8	Summer-street bridge .	12
Marine park boat-landing,	2	Swett street	1
Ninth street	1	Third street	2

East Boston.

Bennington street . . .	1	Saratoga street	1
Bremen street	1	Thurston street	1
Chelsea street	1	Trenton street	1
Maverick square	1		

Charlestown.

Alford street	1	Haverhill street	1
Cambridge street	6	Malden bridge	2
Charlestown playground	4	Main street	12
Essex street	1	New Charlestown bridge	22
Hamblen street	1	Spice street	1

There have been fifteen arc-lamps discontinued, as follows :

City proper	2
South Boston	3
Roxbury	1
Charlestown	9

The number of arc-lamps as furnished by each of the several companies is as follows :

Boston Electric Light Company	2,951
Brookline Gas Light Company	211
Charlestown Gas and Electric Company	254

INCANDESCENT LAMPS.

There are in use 28 incandescent lamps of 32-candle power, located as follows : Under bridges on the Back Bay Fens, 7 ; on Castle Island bridge, 7, and in the tunnel under the Boston & Albany Railroad, at Allston, 14. There has been no increase in the number of these lamps during the past year.

UNDERGROUND SYSTEM.

There are 1,212 of the arc-lamps furnished by the Boston Electric Light Company connected with the wires in underground conduits. Practically all of them in that portion of the City proper, north of Dover and Berkeley streets, have been so connected. Quite a number of the arc-lamps have been connected outside of the above-mentioned district, as the company is required to lay two miles of conduit each year. The Brookline Gas Light Company has six arc-lamps connected underground on Boylston-street extension. Of the above-mentioned lamps connected with the underground system, there are 319 located on the parks and parkways as follows :

North End Park	7
Boston Common	49
Commonwealth avenue	39
Back Bay Fens	45
Riverway and Olmstead Park	53
Jamaica Park and Arborway	63

Franklin Park	39
Marine Park	4
Wood Island Park	20

All of the cable and conduits connecting the lamps in the preceding table is the property of the City.

ELECTRIC CONTRACTS.

The following is a copy of the contract made with the Boston Electric Light Company on February 20, 1894, with the new extension of said contract dated August 29, 1898.

THIS AGREEMENT, made and entered into this twentieth day of February, A.D., 1894, by and between THE BOSTON ELECTRIC LIGHT COMPANY of Boston, a corporation duly established under the laws of the Commonwealth of Massachusetts, hereinafter called "the Company," of the first part, and the City of Boston, a municipal corporation in the County of Suffolk, Massachusetts, and hereinafter called "the City," of the second part :

WITNESSETH :

First. The Company agrees to furnish for a period of five years from and after this date such number of electric arc-lights as may be legally located in the streets, ways, squares and public places of the City, except in those portions of the City formerly Brighton, Charlestown, or part of Brookline.

Said arc-lights to be furnished as follows : For thirteen hundred and fifty lights, and any additional lights to the number of fifteen hundred, at the rate of thirty-eight and one-half cents each per night; for fifteen hundred and any additional lights up to seventeen hundred and fifty, at the rate of thirty-seven and one-half cents each per night; for seventeen hundred and fifty and any additional lights up to two thousand, at the rate of thirty-six cents each per night; and for two thousand or over, at the rate of thirty-five cents per light per night; *provided, however*, that if two thousand lights are erected by December thirty-first of the present year, the price paid shall be thirty-five cents per light per night for the entire number from February first, eighteen hundred and ninety-four, and if a less number is in use on that date (December 31, 1894), then the price paid for the entire number from February 1, 1894, shall be reduced so that the cost to the City of such lights shall be at the prices fixed for the number next below the number in use December 31, 1894; the adjustment to be made in the bills payable December 1, 1894; and January 1, 1895. In ascertaining the number of lights in use on said December 31, 1894, the lights furnished by the Company for the parks and public buildings shall be counted. Said arc-lights are to be kept lighted continuously between dusk and dawn, during such hours as the Superintendent of Lamps may direct, the total number of hours per year not to exceed thirty-eight hundred and fifty.

Whenever lamps are connected to underground wires belonging to the City, or any department thereof, the price will be one cent per lamp less per night than otherwise.

The electric current to be furnished for the arc-lights is never to be less than nine and six-tenths amperes, at the pressure at each lamp not less than forty-eight volts, being an electrical energy of

four hundred and sixty-one watts. If less amperes are used then the volts shall be enough greater to require four hundred and sixty-one electrical watts per lamp, and giving a nominal candle-power of two thousand.

Carbons used must be one-half or seven-sixteenths inch in diameter, of the best quality and style adapted for street lighting, and must burn uniformly, and give a clear and steady light. The globes are to be of clear glass, unless otherwise ordered by the Superintendent of Lamps, free from lettering, and all of best quality and proper shape to avoid casting rings and streaks of light and shadow.

All globes are to be thoroughly brushed inside and outside at least three times a week, and washed as frequently as may be considered necessary by the Superintendent of Lamps; and any globes that may become broken are to be immediately replaced by sound ones.

The present overhead system of construction is to be used, the Company only to connect City posts with such adjacent underground wires as may be hereafter located in the Company's conduits for commercial lights; in which case the City is to prepare the posts so as to allow of the passing of the cable up through them.

Second. The Company further agrees to indemnify and save the City harmless from and against any and all claims and demands for damages, costs and expenses for or on account of injuries to persons or property arising from imperfect construction and maintenance, or from any use of its wires and apparatus, and from any and all claims for damage by reason of any infringement of patent rights in the use of lamps, lights, wires, poles, machinery, and appliances connected therewith.

Third. And further, the said Company agrees that should any of the lamps fail to burn uniformly and give a clear and steady light, to the satisfaction of the Superintendent of Lamps, the Company will, at its own expense, replace them with others satisfactory to said Superintendent.

Fourth. The Company agrees at its own expense to maintain an efficient system of patrol for inspecting the lamps during the hours which they are in use, so that any lamp which fails to burn properly shall be promptly reported and put in order, or immediately replaced.

For this inspection a sufficient number of men shall be employed to enable each lamp to be examined at least three times during each night.

Fifth. The City agrees that if said Company shall well and faithfully perform the promises and conditions of this contract in all its parts, first satisfying the said City that no proceedings either in law or equity have been begun against said City on account of any infringement of patent rights, or the wrongful use or injury by said electric lamps, lights, wires, poles, machinery and appliances, or any of them, then the City will pay the Company monthly during the period of this contract such sum as the total number of lights burning at the price named may amount to. In case any such suit or suits against said City shall have been begun, or notice of a claim for damages shall have been given, the City shall pay any amount due under this contract, notwithstanding such suit or notice, if the Company shall furnish the City with a bond of indemnity with satisfactory sureties. Said sum shall be in full payment and discharge for any and all expenses attending the care, maintenance and use of such lights and apparatus, and it is hereby understood and agreed that if through accident, or other cause, the said lamps, or any of them,

shall fail to be lighted, and kept so lighted, as stated above, any night or nights during the period of this contract, then for each lamp that shall fail to be lighted there shall be deducted from the sum to be paid by said City an amount for each light not so lighted equal to the rate to be paid for lighting the same under this contract as provided. In case the actual current supplied to any of the lamps shall be less than called for herein, payment shall only be made for the actual current as ascertained. The amount to be based *pro rata* on the amount which would be paid were the current equal to that required hereby, unless said deficiencies should amount to over twenty per cent. of the current called for, in which case no payment shall be made, the lights being considered useless.

And further, this is not to be construed to imply a right to continue to furnish lights under this contract at reduced currents.

For the purpose of making tests of currents and of examining the lamps, wires, poles, apparatus and appliances with the view of learning whether the Company is complying with the terms of this agreement, it is further understood and agreed that at all proper times the City, by such person or persons as the Superintendent of Lamps may authorize, shall have access to all said lamps, wires, poles, apparatus and appliances in the city, and also to the plants of the Company, and shall have the further privilege at any time, and at all times, of attaching in any of the circuits, at such point or points as they may select, one or more ammeters or other measuring instruments, and to maintain the same during its pleasure, and have the further right to remove at any time one or more lamps for the purpose of testing the candle power of such said lamp or lamps.

This contract shall continue in force for five years from the date hereof, subject to appropriations; and shall continue thereafter until a new agreement is made by the parties, or until the expiration of six months after notice, in writing, by either party of its election to terminate the contract.

In consideration of this contract and of the above promises of said City, the Company agrees to furnish electric arc-lights for the lighting of the public buildings, parks and public grounds, when so requested to do by the departments having charge of said parks, buildings and public grounds, at the same rates, and on the same conditions, provided for in this contract; this clause also to apply to the lights mentioned in contract for the Fens, dated October 7, 1893.

IN WITNESS WHEREOF, said Company, by its proper officers, and said City, by its Superintendent of Lamps, duly authorized, have hereunto set their hands and seals.

AGREEMENT FOR THE EXTENSION OF THE EXISTING
CONTRACT BETWEEN THE BOSTON ELECTRIC
LIGHT COMPANY AND THE CITY OF BOSTON.

It is hereby agreed, in consideration of the mutual covenants herein contained, that the contract now existing between the Boston Electric Light Company and the City of Boston, dated February 20, 1894, shall be, and hereby is, extended, subject to appropriations from year to year, for the term of ten years from and after February 20, 1899, and thereafter until a new agreement is made, or until the expiration of six months after notice, in writing, by either party, of its

election to terminate the contract, which notice may be given at any time after nine (9) years and six (6) months from February 20, 1899, upon the following terms and conditions, namely:

First. Said Company shall, immediately upon the execution of this instrument, apply to the Board of Aldermen of the City of Boston and the Board of Park Commissioners of said City for the grant to said Company of the necessary locations, and, upon receiving such grant, shall forthwith set and connect in the streets and parks of the City, without any charge or expense to the City, two thousand three hundred and sixty-five (2,365) wooden lamp-poles belonging to the Company, with ornamental iron tops and porcelain-lined reflectors substantially of the same size, style, and kind as those now erected and in use on Arlington street, and to be shown on plans and specifications to be signed by the parties hereto and then attached to this instrument. Said new poles shall be set substantially in the same locations in the public streets and parks as those now occupied by the iron lamp-posts belonging to the City, which latter posts shall, when the new posts are ready for setting, be removed by the Company, which shall keep an account of the expense of the removing and handling of said posts, and shall, if practicable, sell the same, at the best price obtainable, accounting to the City for any surplus realized over and above such expense; but said locations may be varied so far as may be necessary to secure a better and more uniform distribution of the light in any given locality. All locations in the public streets shall be approved by the Superintendent of Lamps before application for such locations is made to the Board of Aldermen; and all locations in the public parks shall be approved by the Board of Park Commissioners; but the Company shall, from time to time, apply to the Board of Aldermen for such locations (less than all) in the public streets as shall then have been approved by said Superintendent.

The Company further agrees to set and connect, without charge or expense to the City, similar wooden lamp-poles with ornamental iron tops and porcelain-lined reflectors for all City arc-lamps in addition to the present number of two thousand three hundred and sixty-five (2,365) which may be ordered by the City during the term of this agreement, and to place the same in such locations in the streets, ways, squares and public places in any part of the City as may be required by the Superintendent of Lamps, and authorized by the Board of Aldermen, and in such locations in the public parks as may be agreed upon between the Company and said Board of Park Commissioners, and in such other places as may be required by the Mayor of said city.

But it is expressly understood and agreed that the foregoing provisions of this agreement as to the substitution of new wooden poles for the present iron lamp-posts shall not be operative unless and until the necessary locations shall be granted by the Board of Aldermen and the Board of Park Commissioners as aforesaid; and, further, that the operation of the remaining provisions of this instrument shall not in any way be affected by the foregoing provisions as to the poles, but said remaining provisions shall become operative upon the signing hereof, whether said new locations are granted by the Board of Aldermen and the Board of Park Commissioners and said poles are substituted for the present poles or not.

All the poles, lines, and lamps of the Company used for the City's business shall be kept and maintained by the Company in good order and condition.

Second. The Company shall replace all of its present open arc nominal 2,000-candle power City lamps with its new enclosed arc-lamps as fast as practicable after the starting up of the Company's new station in South Boston, as many new lamps as possible to be put into use before the ground freezes in 1898, and all of said lamps to be put into use before July 1, 1899. Said new enclosed arc-lamps shall be of substantially the same kind and style as those now in use on Arlington street, and shall be of a manufacture substantially like that described in United States Letters Patent No. 603,630, dated May 10, 1898, and shall require an electrical energy of not less than five hundred (500) watts on the average, and not less than four hundred and eighty (480) watts in any case. The price to be charged by said Company and paid by said City for said new enclosed arc-lamps shall be as follows:

Number of Lights.				Price per Night.	Price per Year.
For not less than	2,365	nor more than	2,749	35 cents	\$127 75
"	2,750	"	2,999	34½ "	125 92
"	3,000	"	3,249	34 "	124 10
"	3,250	"	3,499	33½ "	122 27
"	3,500	"	3,749	33 "	120 45
"	3,750	"	3,999	32½ "	118 62
"	4,000	"	4,249	32 "	116 80
"	4,250	"	4,499	31½ "	114 97
"	4,500	"	4,749	31 "	113 15
"	4,750	"	4,999	30½ "	111 32
"	5,000			30 "	109 50

In estimating the number of lights for the purpose of fixing the price, as aforesaid, all arc-lights furnished by the Company for the City shall be counted.

For all lamps connected to underground wires belonging to the City in the public parks, Common and Public Garden, the price shall be one cent per lamp per night less than the prices hereinbefore provided.

Third. At any time within ninety days prior to the expiration of the periods of two years and six months and seven years and six months, respectively, after February 20, 1899, if the Mayor of said City shall so elect and notify said Company, in writing, and in any event at the expiration of the period of five years after February 20, 1899, an arbitration shall be had as follows: Said Mayor and said Company shall each appoint one arbitrator within thirty days after the notice aforesaid and within thirty days after the expiration of said period of five years, and the two arbitrators so chosen shall appoint a third disinterested arbitrator. If either party fails to appoint an arbitrator within said thirty days, the other party may appoint both arbitrators, and these shall appoint a third disinterested arbitrator. Said arbitrator shall thereupon hear and consider the evidence and arguments of the parties and shall determine the following matters:

- (1.) The proportion of the actual output of electricity or electrical energy generated at the station or stations of the Company for the public lights provided for in this contract, as compared with the Company's entire output, both to be measured in kilowatt hours, it being agreed by the Company that it will measure and record its electrical output on behalf of the said

public lights, and also, but separately, its electrical output on behalf of its other business, and that such measurements and records shall be subject to the inspection, at all reasonable times, of the City Engineer of said City. Such inspection, however, shall be regarded as confidential, and the results thereof shall not be exhibited or made known to anybody except the Mayor of said City.

- (2.) The total investment of the company, computed by taking the total cost of the land, buildings, plant, poles, lines, conduits, cables, meters, machinery, apparatus and other appliances owned and used by the Company for the manufacture and distribution of electricity.
- (3.) The investment of the Company on account of its public business, computed by taking the proportion of the Company's total investment, determined as provided in the second clause of this article, that the Company's electrical output on behalf of the public lights bear to its total output, measured as provided in the first clause of this article. The foregoing method of computing the investment of the Company on account of its public business is adopted by the parties as the fairest and most equitable method now known to them; but it is agreed that if, at the time of any arbitration, the three arbitrators shall unanimously be of the opinion that some other method of computing the investments of the Company on account of its public business would be more fair and equitable, such other method may be used by them.
- (4.) The total operating expenses of the Company, meaning the annual outlay for fuel, water, supplies, wages, salaries, insurance, accidents, rent, taxes, and all other expenditures incurred in the manufacture and distribution of electricity and the general conduct of the Company's business except expenditures on account of depreciation in excess of ordinary repairs.
- (5.) The operating expenses of the Company on account of the public lights, computed by taking the proportion of the total operating expenses of the Company, determined as provided in the fourth clause of this article, that the Company's electrical output on behalf of the public lights bear to its total output measured as provided in the first clause of this article.
- (6.) The undivided or surplus earnings of the Company, being its gross annual income derived from the sale of electricity, less operating expenses, determined as provided in the fourth clause of this article, and the amounts paid out for interest and dividends; and the percentage which the Company's annual surplus thus determined bears to the total investment of the Company, determined as provided in the second clause of this article, exclusive of the land.
- (7.) An allowance for depreciation in excess of ordinary repairs of the Company's investment in plant and property used in its public business, computed by taking the same percentage of the value of the Company's investment on account of its public business, determined as provided in the third clause of this article, but excluding the land, as the total amount of the undivided earnings of the Company, found as provided in the sixth clause of this article, is of the Company's total investment, determined as provided in the second clause of this article, but exclusive of land; but such allowance shall not exceed 7 per cent. of the

Company's said investment on account of its public business, exclusive of the land.

- (8.) An allowance for interest or profits, computed at 6 per cent. per annum on the Company's investment on account of its public business, determined as provided in the third clause of this article; but in case the cost of any part of the Company's investment shall have been met by the issue of bonds bearing interest at a lower rate than 6 per cent. per annum, and any of such bonds are still outstanding, the amount thereof shall be apportioned between the Company's total investment and its investment on account of its public business, in the proportion to electrical output measured as provided in the first clause of this article; and the allowance provided for in this clause shall be computed on so much of the Company's investment on account of its public business as is represented by said bonds at the rate actually paid thereon, and on the remainder of its said investment at the rate of 6 per cent. per annum.

If the cost of manufacturing and distributing the public lights furnished by the Company, and the allowances for depreciation and profit determined as provided in the fifth, seventh and eighth clauses of this article, amount in the aggregate to a sum less than the price then being paid by the City, the price of said lights shall be reduced, for the remainder of the term of this contract, or until again reduced by arbitration as herein provided, to a sum equal to the said cost of manufacturing and distributing said lights, plus said allowances for depreciation and profit as aforesaid.

The decision of a majority of said arbitrators in any of the foregoing matters shall be binding on both parties to this agreement.

Fourth. If, in case of arbitration as aforesaid, the City shall claim and shall give the Company not less than sixty days' notice of such claim, that a discovery, invention, or method of producing, distributing or converting electricity for arc-lights has been made and put into successful commercial use, by the adoption and use of which the cost of producing, distributing or converting electricity for street lights, including interest and depreciation, could be substantially reduced below the cost, including interest and depreciation, at the time of such arbitration said City shall, unless said Company shall agree to adopt the discovery, invention or method in question as soon as practicable, have a right to submit its said claim to said arbitrators, who shall, after hearing and considering the evidence and arguments of the parties thereon, making a finding upon the claim aforesaid. And if such arbitrators shall sustain such claim, they may make a reduction in the price to be charged and paid for lights hereunder by such an amount as they shall deem to be fair and reasonable in view of the facts so found.

And if the Company shall adopt or agree to adopt as soon as practicable the discovery, invention, or method named in said notice given by the City to the Company, the arbitrators shall take said fact into consideration in determining the total operating expenses of the Company and the operating expenses of the Company on account of the public lights, as provided in clauses (4) and (5) of Article Third of this indenture, and shall be governed in fixing said items of operating expenses by the expense involved in or the saving to come from the future use of the new discovery, invention, or method in question, and not by the expense incident to the past use of the invention or method supplanted.

Fifth. The provisions of the contract of February 20, 1894, requiring that all globes are to be thoroughly brushed inside and outside at least three times a week, and that the lamps are to be examined at least three times during each night, are hereby annulled. Said globes shall be brushed and kept clean to the satisfaction of the Superintendent of Lamps.

Sixth. All the terms, conditions and provisions of the contract of February 20, 1894, not affected by this extension and modification thereof, shall remain in full force and effect till the termination of the contract as hereby extended.

IN WITNESS WHEREOF, said company by its proper officers, and said City by its Superintendent of Lamps, both thereto duly authorized, have hereunto caused their corporate seals to be set and their corporate names to be signed on the twenty-ninth day of August, A.D. 1898.

BOSTON ELECTRIC LIGHT COMPANY,

By

F. A. GILBERT, *President.*

Per

SAMUEL S. SIAS, *Treasurer.*

CITY OF BOSTON,

By

JAMES DONOVAN, *Supt. of Lamps.*

Approved as to form.

THOMAS W. BABSON,

City Solicitor.

Approved.

JOSIAH QUINCY, *Mayor.*

The following is a copy of the contract for arc-lamps in the Charlestown District:

ELECTRIC CONTRACT WITH CHARLESTOWN GAS AND ELECTRIC COMPANY.

The City of Boston, a municipal corporation in the Commonwealth of Massachusetts, and the Charlestown Gas and Electric Company, a corporation duly established under the laws of said Commonwealth, agree as follows:

ARTICLE I. The Company shall provide the electric arc-lights now in use in the Charlestown District of said City, as and where now located, and similar arc-lights in such other places in the highways, squares, parks, public grounds, public buildings and other places in said district as may, from time to time, be ordered by the board or officer having authority to place or locate lamps in such places.

ARTICLE II. Said Company, before February 1, 1905, if the board or officer having authority in the premises shall grant the company locations therefor, shall provide and set up new enclosed electric arc-lamps in place of the other lamps above described; all such lamps so substituted to be substantially like those now in use on Arlington street, in said City, of a manufacture substantially like that described in the United States Letters-Patent No. 603,630, dated May 10, 1898,

of the best quality and style for street lighting, with clear glass globes, free from lettering, unless otherwise ordered by said board or officer, and of the best quality and shape, to avoid casting rings and streaks of light and shade. The Company shall continue to have the right to use, free of charge, the iron hoods or reflectors now belonging to the City, and the City shall supply to said Company, free of charge, such additional similar hoods as may be necessary for use in connection with all lamps, whether of the present or enclosed arc pattern, hereafter installed in addition to those now in use; and said Company, before said February 1, 1905, if the board or officer having authority shall grant the Company locations therefor, shall set and connect in the streets of said Charlestown District of said City, without charge or expense to the City, wooden lamp-posts belonging to the Company, in place of and substitution for an equal number of iron lamp-posts belonging to the City, said wooden posts to be substantially of the same size, style and kind as those now erected and in use on Arlington street, in said City. When the wooden posts are ready for setting, the iron posts shall be removed by the Company, which shall keep an account of the expense of the removing and handling of said posts, and shall, if practicable, sell the same, at the best price obtainable, accounting to the City for any surplus realized over and above such expense; but if there shall be no such surplus, the Company may retain all sums realized from the sale of said iron posts, as the consideration for the erection of said wooden posts without other expense to the City. The locations of the new wooden posts shall be substantially the same as those of the old iron posts, unless varied by said board or officer to secure a better and more uniform distribution of the light in any given locality; it being expressly understood and agreed that the foregoing provisions of this agreement as to the substitution of new wooden poles for the present iron lamp-posts shall not be operative unless and until the necessary locations shall be granted by the board or officer having authority in the premises as aforesaid; and further, that the operation of the remaining provisions of this instrument shall not in any way be affected by the foregoing provisions as to the poles, but said remaining provisions shall become operative upon the signing hereof, whether said new locations are granted or not.

ARTICLE III. Said Company shall keep all electric arc-lamps now or hereafter set up in said district for the City, and the posts, carbons, hoods and globes therefor, clean and in good condition, satisfactory to the Superintendent of Lamps of said City; and shall keep said lamps properly lighted, so as to give a clear and steady light, during such hours between dusk and dawn, not exceeding thirty-eight hundred and fifty (3,850) hours in any one year, as the board or officer ordering them shall require; each old lamp to be lighted by a current of electricity, furnishing usually in the lamp an electrical energy of not less than four hundred and sixty-one (461) watts, and each new electric arc-lamp substituted as aforesaid to be lighted by a current of electricity, furnishing usually in the lamp an electrical energy of not less than five hundred (500) watts, and never less than four hundred and eighty (480) watts; said Company shall employ a sufficient number of capable inspectors to inspect the lamps during the hours of burning, and promptly report at the office of said Company every lamp not so kept, and said Company shall immediately, to the satisfaction of said Superintendent, cause every such lamp so reported and every such lamp found to be put in good condition or replaced by a new electric arc-lamp.

ARTICLE IV. Said Company shall assume the defence of, and hold the City, its agents and employees, harmless from any and all suits arising in doing anything above required of the Company or its employees, from the use of any invention, patent or patent right, or material, labor or implement, or arising from any act, omission or neglect of the Company, its agents or employees.

ARTICLE V. Said City, by such persons as said Superintendent may authorize, shall have access to said lamps, posts and reflectors, and the machines, wires and other apparatus and appliances used in making or distributing electricity to said lamps ; may at any time attach and maintain at any point or points in the circuits of such electricity one or more ammeters ; and may at any time remove any lamp and test the same.

ARTICLE VI. The City, as full payment for everything furnished or done by or resulting to the Company in carrying out this contract, shall, after the first day of each and every month during the continuance thereof, pay on bills presented prior to the fifteenth day of the preceding month, approved by the board or officer ordering the same, for each electric arc-lamp kept in good condition and well lighted as aforesaid prior to said day and not paid for, if furnished with electricity by underground wires paid for by the City, the sum of thirty-four (34) cents ; otherwise, the sum of thirty-five (35) cents for each night that the lamp is so kept ; but if any such lamp shall fail to be so kept during any part of said hours, the City may deduct for that night from said sum a proportional part thereof, as determined by said Superintendent, and if during any night the deficiency of the electrical energy in any lamp shall be twenty (20) per cent. or more, of the required energy, as so determined, the City shall make no payment for that night for that lamp ; and if such deficiency occurs for more than five (5) nights in succession, or if in the opinion of said Superintendent it occurs oftener than the public interest should bear, said Superintendent, with the approval of the Mayor, may make such reduction in the sum to be paid per lamp for each night as he shall determine, or may cancel this contract.

ARTICLE VII. The existing contract under which said Company is now supplying electric arc-lamps to said City, dated December 29, 1894, is hereby cancelled, and this contract shall commence with the date hereof, and continue in force, subject to an appropriation therefor for each year and subject to cancellation as hereinbefore provided, until February 1, 1905, and thereafter until six (6) months after either party shall in writing notify the other party that the contract is to be terminated, which notice may be given at any time after four (4) years and six (6) months from December 2, 1899.

Signed this second day of December, A.D. 1899.

CITY OF BOSTON,

By

JAMES DONOVAN, *Superintendent of Lamps.*

CHARLESTOWN GAS AND ELECTRIC COMPANY,

By

JAMES F. HUNNEWELL, *President.*

Approved.

JOSIAH QUINCY, *Mayor.*

The following is a copy of the new contract made with the Brookline Gas Light Company for furnishing arc-lamps in the Brighton District.

The CITY OF BOSTON, a municipal corporation in the Commonwealth of Massachusetts, and the BROOKLINE GAS LIGHT COMPANY, a corporation established under the laws of said Commonwealth, agree as follows :

ARTICLE I. The Company shall maintain the existing electric arc-lamps in the district which includes the territory which was formerly Brighton and the territory bounded by Muddy river, Charles river and the Town of Brookline as and where now located, and may until October 1, 1901, continue to use free of charge the iron hoods or reflectors of said City on said lamps, but on or before that date shall substitute new enclosed electric arc-lamps for said existing lamps; and the Company shall from and after the date hereof furnish and set up new enclosed electric arc-lamps in such other places in the highways, squares, parks, public grounds, public buildings and other places in said district as may from time to time be ordered by the board or officer having authority to place or locate lamps in such places; and said Company forthwith, after being requested thereto by said Superintendent, when duly authorized, shall furnish lamps on Commonwealth avenue, between Brighton avenue and Chestnut Hill avenue in such places, and with such hard pine poles, as he shall specify, and shall on or before the expiration of five years from the date hereof replace the poles with the wooden lamp-posts hereinafter described, and furnish electricity for lighting said lamps by an underground conduit.

ARTICLE II. The Company shall furnish and set up all new electric arc-lamps to be furnished as aforesaid, of the enclosed pattern (substantially like those now in use on Arlington street in said City) with clear glass globes free from lettering unless otherwise ordered by such board or officer, of a quality and shape to avoid casting rings and streaks of light and shade, and of a style approved by the Superintendent of lamps of said City.

ARTICLE III. The Company shall furnish for all such enclosed arc lamps, wooden lamp-posts belonging to the Company, substantially of the same size, style, and kind as those now in use for said lamps on said Arlington street, and shall remove and sell all posts for which the wooden posts may be substituted, shall keep an account of the expense of such removals and sales, and account with, and pay over to, the City the surplus, if any, out of said sales over and above said expense, and shall have no claim upon the City for any part of said expense except as provided in this Article. The Company shall inform said Superintendent when about to substitute any post and shall place the post in the same location as the post for which the wooden post is substituted, unless the Superintendent shall vary the location to secure a better and more uniform distribution of light.

ARTICLE IV. The Company shall keep all electric arc-lamps now or hereafter set up in said district for the City, and the posts, carbons, hoods, or globes therefor, clean and in good condition, satisfactory to the Superintendent of Lamps of said City; and shall keep said lamps properly lighted so as to give a clear and steady light during such hours between dusk and dawn, not exceeding

thirty-eight hundred and fifty (3,850) hours in any one year, as the board or officer ordering them shall require ; each old lamp to be lighted by a current of electricity, furnishing usually in the lamp an electrical energy of not less than four hundred and sixty-one (461) watts, and each new electric arc-lamp furnished as aforesaid to be lighted by a current of electricity furnishing usually in the lamp as electrical energy of not less than five hundred (500) watts, and never less than four hundred and eighty (480) watts ; said Company shall employ a sufficient number of capable inspectors to inspect the lamps during the hours of burning, and promptly report at the office of said Company every lamp not so kept, and said Company shall immediately, to the satisfaction of said Superintendent, cause every such lamp so reported and every such lamp found to be defective to be put in good condition or replaced by a new electric arc-lamp.

ARTICLE V. The Company further agrees to indemnify and save the City harmless from and against any and all claims and demands for damages, costs and expenses for or on account of injuries to persons or property arising from imperfect construction and maintenance, or from any use of its wires and apparatus, and also to assume the defence of and to hold the City, its agents and employees, harmless from any and all claims for damage by reason of any infringement of patent rights in the use of lamps, lights, wires, poles, machinery and appliances connected therewith.

ARTICLE VI. The City, by such persons as said Superintendent may authorize, shall have access to said lamps, posts and reflectors, and the machines, wires and other apparatus and appliances used in making or distributing electricity to said lamps ; may at any time attach and maintain at any point or points in the circuits of such electricity one or more ammeters ; and may at any time remove any lamp and test the same.

ARTICLE VII. The City as full payment for everything furnished or done by or resulting to the Company in carrying out this contract, shall, after the first day of each and every month during the continuance thereof, pay, on bills presented prior to the fifteenth day of the preceding month, approved by the board or officer ordering the same, the sums hereinafter stated for each electric arc-lamp kept in good condition and well lighted as aforesaid prior to said day and not paid for, viz. :

For each lamp of a number not less than 249	35c.
For each lamp of a number not less than 250 nor more than 299	34½c.
For each lamp of a number not less than 300 nor more than 349	34c.
For each lamp of a number not less than 350 nor more than 399	33½c.
For each lamp of a number not less than 400 nor more than 449	33c.
For each lamp of a number not less than 450 nor more than 499	32½c.
For each lamp of a number not less than 500 nor more than 599	32c.
For each lamp of a number not less than 600 nor more than 699	31½c.
For each lamp of a number not less than 700 nor more than 799	31c.
For each lamp of a number not less than 800 nor more than 899	30½c.
For each lamp of a number not less than 900 nor more than 999	30c.

provided, however, that if any such lamp shall be furnished with electricity by an underground wire belonging to the City, the price for each lamp per night shall be one cent less than the above prices, and if any such lamp shall fail to be kept as aforesaid during any part of the hours required therefor, the City may deduct for that night from the price therefor otherwise due a proportional part thereof as determined by said Superintendent, and, if during any

night the deficiency of the electrical energy in any lamp shall be twenty (20) per cent. or more of the required energy, as so determined, the City shall make no payment for that night for that lamp ; and if such deficiency occurs for more than five (5) nights in succession, on the same light, said Superintendent with the approval of the Mayor, may make such reduction in the sum to be paid per lamp or lamps for each night as he shall determine.

ARTICLE VIII. This contract shall commence with the date hereof, and continue in force, subject to an appropriation therefor for each year, until February 20, 1909, and thereafter until six (6) months after either party shall, in writing, notify the other party that the contract is to be terminated, which notice may be given at any time after four (4) years and six (6) months from the date hereof.

Signed this eleventh day of December, A.D. 1900.

CITY OF BOSTON,

By

WM. D. LANG, *Superintendent of Lamps.*

BROOKLINE GAS LIGHT COMPANY,

By

H. M. WHITNEY, *President.*

Approved.

THOMAS N. HART, *Mayor.*

LOCATION OF LAMPS.

The public lamps are distributed in the various sections of the city as follows :

January 10, 1901.	Welsbach Gas- Lamps.	Electric Arc- Lamps.	Naphtha- Lamps.	Welsbach Naphtha- Lamps.	Kitson Lamps.	Incan- descent Lamps.	Fire- Alarm Lamps.	Total.
City Proper	1,502	1,067	101	.....	.....	.....	80	2,750
Roxbury.....	1,654	529	.....	.....	.....	7	7	2,197
Dorchester	2,370	386	513	12	16	.....	2	3,299
West Roxbury.....	1,201	397	1,082	10	.....	.....	2	2,692
South Boston.....	418	352	295	8	.....	7	4	1,084
Charlestown	489	254	.....	.....	.....	.....	11	754
East Boston	359	220	138	.....	.....	.....	4	721
Brighton	642	211	175	3	.....	14	2	1,047
Chelsea	2	.....	.....	.....	.....	.....	.....	2
Totals.....	8,637	3,416	2,304	33	16	28	112	14,546

The following table shows the number of lamps of all kinds in use on the 10th day of January, 1901, as compared with the 10th day of January, 1900.

	Jan., 1901.	Jan., 1900.	Increase or Decrease.
Welsbach gas	8,637	8,320	317+
Common naphtha	2,304	2,549	245—
Welsbach naphtha	33	2	31+
Kitson	16	—	16+
Electric	3,416	3,024	392+
Incandescent	28	28	—
Fire-alarm	112	106	6+
	14,546	14,029	517+

The changes during the past year have been as follows :

Gas Lamps.

	Increase.	Decrease.
City Proper	—	7
Roxbury	35	—
West Roxbury	42	—
Dorchester	239	—
South Boston	—	7
East Boston	—	11
Charlestown	13	—
Brighton	13	—
Chelsea	—	—
Net increase	317	—

Naphtha Lamps.

	Increase.	Decrease.
Dorchester	—	200
West Roxbury	—	19
South Boston	—	23
East Boston	—	7
Brighton	4	—
Net decrease	—	245

Electric Lamps.

	Increase.	Decrease.
City proper	78	—
Roxbury	30	—
Dorchester	64	—
West Roxbury	118	—
South Boston	46	—
East Boston	7	—
Brighton	7	—
Charlestown	42	—
Increase	392	—

Welsbach Naphtha Lamps.

Dorchester	11	—
West Roxbury	9	—
South Boston	8	—
Brighton	3	—
	—	
Increase	31	—

Kitson Lamps.

Dorchester	16	—
Increase	16	—

Fire-alarm Lamps.

City proper	1	—
Charlestown	5	—
	—	
Increase	6	—
Total net increase	517	—

NEW WORK.

The number of gas-lamps located during the past year was 279.

The number of gas-lamps replaced was 38.

The number of arc-lamps that have been installed is 406, and one lamp replaced.

The number of common naphtha-lamps located was 75 and 11 Welsbach naphtha.

Five common naphtha-lamps have been replaced.

The number of common naphtha-lamps changed to Welsbach naphtha was 84.

Also 171 common naphtha and 64 Welsbach naphtha have been changed to gas-lamps, in accordance with an understanding with the several gas companies that wherever they extend their mains the public lamps will be connected thereto.

The number of "Kitson" lamps erected was 16.

During the year 6 fire-alarm signal-box lamps have been erected by the Fire Department, and this Department has assumed the lighting of the same.

The total number of new lamps of all kinds set up and replaced during the year was 837.

	Gas and Naphtha Posts.	Electric Posts.	Gas and Naphtha Brackets.	Kitson Posts.	Electric Cranes.
Set for new lamps.....	361	406	4	16	
Set in place of broken ones.....	14	6			
Set in place of brackets.....	7				
Set in place of cranes		3			
Set in place of post.....					1
Shift to new location.....	81	25	1		
Straightened.....	101	2			
Reset to line and grade.....	209	25			
Removed.....	743	15	37		
Repaired.....		1	2		

LAMPS DISCONTINUED.

Gas	235
Naphtha	70
Electric	15
Total	<u>320</u>

LAMP OUTAGE.

The following table shows the total number of hours reported by the police that the street lamps were not lighted the required length of time from January 10, 1900, to January 10, 1901 :

	Arc.	Incandescent.	Welsbach.	Naphtha.	Kitson.	Total.
Boston Electric Light Company.....	13,967 $\frac{4}{12}$					
Charlestown Gas and Electric Company	962 $\frac{4}{12}$					
Brookline Gas Light Company.....	734 $\frac{1}{12}$	1,136 $\frac{2}{12}$				
Rising Sun Street Light Company....		1	3,153 $\frac{1}{12}$	3,142 $\frac{9}{12}$	52 $\frac{6}{12}$	23,149 $\frac{1}{12}$

EMPLOYEES.

On the first of February, 1900, there were twelve men employed, viz. :

Superintendent \$3,500, assistant superintendent \$1,800, 1 clerk \$1,800, 1 clerk \$1,400, 1 messenger \$20 per week,

1 messenger \$12 per week, 1 inspector at \$15 per week, 1 inspector at \$13.50 per week, 2 inspectors at \$12 each per week, 1 watchman at \$14 per week and 1 boy at \$6 per week.

On the thirty-first of January, 1901, there were 6 men employed, viz.:

Superintendent \$3,500, 1 clerk \$1,800, 1 clerk, \$1,800, 1 inspection clerk \$1,100, 1 messenger at \$20 per week, 1 messenger at \$12 per week.

INVENTORY OF PROPERTY ON HAND JANUARY 10, 1901.

- 3 horses.
- 3 sets single harness.
- 2 buggies.
- 1 democrat wagon.
- 2 old carriages.
- 2 old sleighs.
- 2 whips.
- 2 mats.
- 4 blankets.
- 2 street blankets.
- 6 robes.
- 1 test meter.
- 2 hammers.
- 500 stakes.
- 1 100 ft. tape measure.
- 1 drill.
- 5,000 flat street signs.
- 1,500 street numbers.
- Street plans, maps and atlases.

Annual Cost of Lighting Present Number of Incandescent Lamps.

LOCATION.	Electric Light Companies.	Number of Lamps, Jan. 10, 1901.	Candle power.	Number of nights.	Rate per month.	Rate per year.	Total cost per year.
Roxbury Parks.....	Boston Electric Light Company,	7	32	365	\$2 50	\$30 00	\$210 00
South Boston, Castle Island..	Boston Electric Light Company,	7	32	365	2 50	30 00	210 00
Brighton, Allston Subway...	Brookline Gas Light Company,	14	32	365	3 00	36 00	504 00
Totals .....	.....	28	32	365	.....	.....	\$924 00

Annual Cost of Lighting Present Number of Naphtha Lamps, as per Contract.

LOCATION.	Number of Lamps, Jan. 10, 1901.	Rate per Lamp per year.	Total cost per year.	Number of Welsbach Naphtha Lamps.	Rate per Lamp per year.	Total cost per year.
City proper	101	\$22 81	\$2,303 81	—	—	—
Dorchester	513	22 81	11,701 53	12	\$30	\$360 00
South Boston.....	295	22 81	6,728 95	8	30	240 00
East Boston	138	22 81	3,147 78	—	—	—
West Roxbury.....	1,082	22 81	24,680 42	10	30	300 00
Brighton	175	22 81	3,991 75	3	30	90 00
Totals.....	2,304	\$22 81	\$52,554 24	33	\$30	\$990 00

43 Lamps with mantles, \$2.73½ extra = \$117.71.

Annual Cost of Lighting, and Care of Present Number of Gas Lamps, as Per Contract.

LOCATION.	Number of Welsbach Lamps, January 10, 1901.	Total hours of burning each Lamp per annum.	Rate per Lamp per annum.	Total cost per annum.	Number of Fire-Alarm Lamps, January 10, 1901.	Total cost per annum.
City Proper.....	1,502	3,828	\$30 00	\$45,060 00	80	\$2,400 00
Roxbury.....	1,654	3,828	30 00	49,620 00	7	210 00
Dorchester.....	2,370	3,828	30 00	71,100 00	2	60 00
West Roxbury.....	1,201	3,828	30 00	36,030 00	2	60 00
South Boston.....	418	3,828	30 00	12,540 00	4	120 00
East Boston.....	359	3,828	30 00	10,770 00	4	120 00
Charlestown.....	489	3,828	30 00	14,670 00	11	330 00
Brighton.....	642	3,828	30 00	19,260 00	2	60 00
Meridian-street Bridge.....	2	3,828	30 00	60 00		
	8,637	3,828	\$30 00	\$259,110 00	112	\$3,360 00

Annual Cost of Lighting Present Number of Electric Lights, as per Contract.

LOCATION.	Electric Light Companies.	Number of Lamps, Jan. 10, 1900.	Number of months.	Rate per Lamp per night.	Rate per Lamp per year.	Total cost per year.
City Proper.....	Boston Electric Light Company	959	12	\$0 34½	\$125 92	\$120,757 28
City Proper, Parks and Common	Boston Electric Light Company	95	12	33½	122 27	11,615 65
City Proper, Parks.....	Boston Electric Light Company	13	7	34½	125 92	954 89½
Roxbury.....	Boston Electric Light Company	431	12	34½	125 92	54,271 52
Roxbury Parks.....	Boston Electric Light Company	95	12	33½	122 27	11,615 65
Roxbury Parks.	Boston Electric Light Company	3	1	34½	125 92	31 48
Dorchester	Boston Electric Light Company	366	12	34½	125 92	46,086 72
Dorchester Parks	Boston Electric Light Company	20	1	34½	125 92	209 86½
South Boston.....	Boston Electric Light Company	318	12	34½	125 92	40,042 56
South Boston Parks.....	Boston Electric Light Company	4	12	33½	122 27	489 08
South Boston Parks.....	Boston Electric Light Company	30	6	34½	125 92	1,888 80
East Boston.....	Boston Electric Light Company	200	12	34½	125 92	25,184 00
East Boston Parks	Boston Electric Light Company	20	7	33½	122 27	1,426 48½
West Roxbury.....	Boston Electric Light Company	290	12	34½	125 92	36,516 80
West Roxbury Parks.....	Boston Electric Light Company	105	12	33½	122 27	12,838 35
West Roxbury Parks.....	Boston Electric Light Company	2	1	34½	124 92	20 98½
Charlestown.....	Charlestown Gas and Electric Company.	250	12	35	127 75	31,937 50
Charlestown Parks.....	Charlestown Gas and Electric Company.	4	1	35	127 75	42 58½
Brighton	Brookline Gas Light Company	211	12	35	127 75	26,955 25
Totals.....	.....	3,416	.....	.....	.....	\$422,885 45½

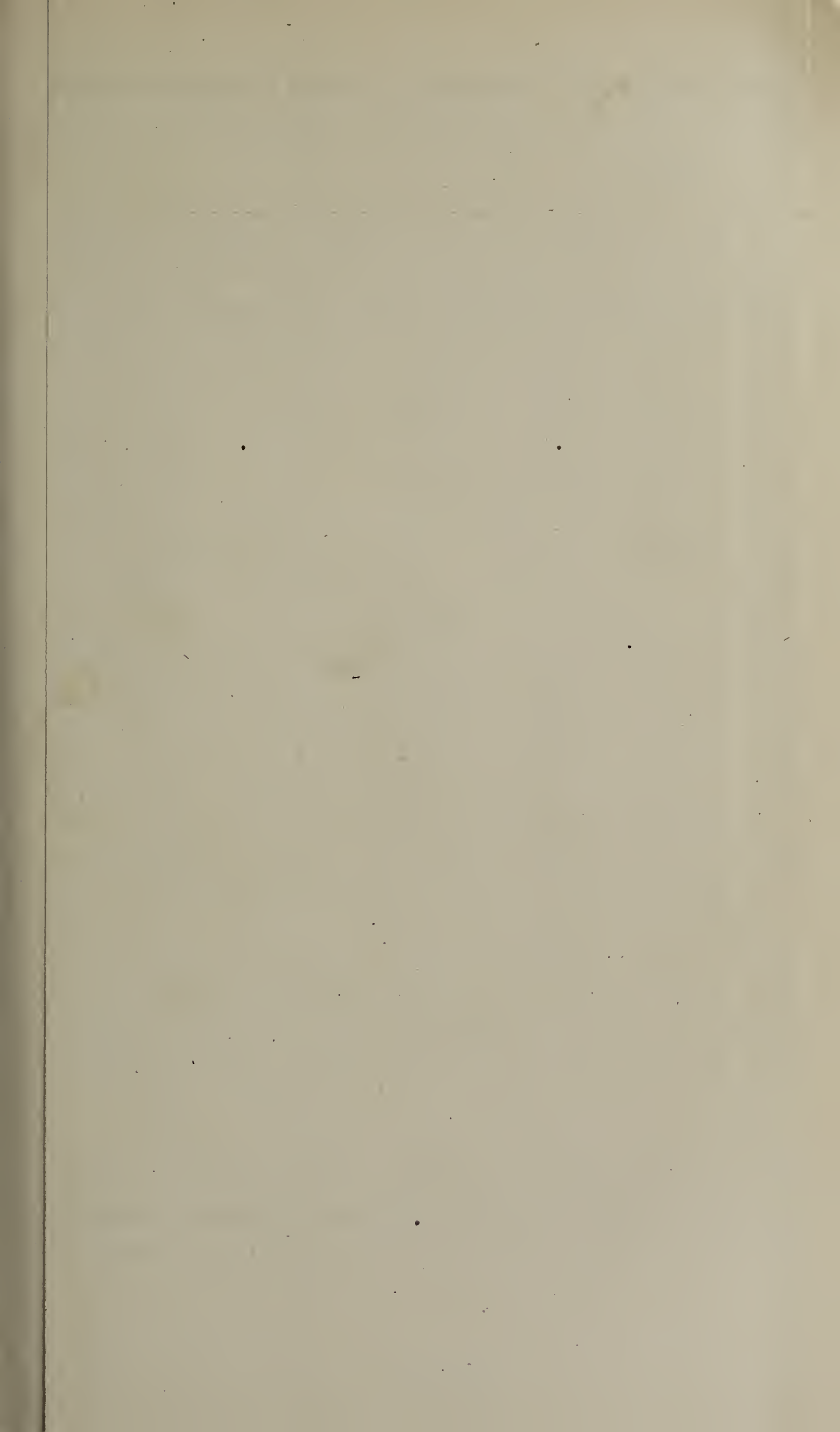


Table Showing the Expenditures in detail During the Municipal Year, 1900.

1900.												1901.		
ITEMS.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	Totals.	ITEMS.
Gas Lighting and Care.....	\$21,427 86	\$21,480 18	\$19,386 28	\$20,865 67	\$20,793 24	\$21,488 45	\$20,924 49	\$21,683 31	\$21,781 32	\$21,297 12	\$22,155 74	\$21,559 01	\$254,842 67	Gas Lighting and Care.
Underground Work.....	833 19	307 73	107 91	60 52	38 20	296 62	560 94	331 57	555 63	762 93	1,542 96	1,466 45	6,864 65	Underground Work.
Wrought-Iron Work.....	28 75	1 50			11 00	14 00	10 50	8 00		45 50		4 00	123 25	Wrought-Iron Work.
Horse Shoeing and Veterinary.....				7 00	8 00	7 50	8 50	8 00	10 00	12 25	9 50	30 25	101 00	Horse Shoeing and Veterinary.
Horse Feed and Keeping.....				29 64	64 84	62 10	79 48	92 29	99 07	83 42	34 42	91 82	637 08	Horse Feed and Keeping.
Painting Lamp-Posts	6 00								390 75	1,887 60	662 65		2,941 00	Painting Lamp-Posts.
Telephone Rentals, etc.....		1 10	80	61 00			10	33 00			39 81		135 81	Telephone Rentals, etc.
Inspection and Testing of Lamps.....		227 95	154 50				127 00			50 00	50 00		551 50	Inspection and Testing of Lamps.
Plans of Streets.....						25 00						12 50	37 50	Plans of Streets.
Salaries	708 33	708 33	704 17	591 67	591 67	591 67	591 67	591 67	591 67	591 67	591 67	591 63	7,445 82	Salaries.
Horse and Carriage for Superintendent....	11 00	5 00	16 00	48 25	9 25	10 00	42 75	19 75	4 00	332 25	316 85		815 10	Horse and Carriage for Superintendent.
Street Signs and Numbers.....		593 10	615 60	73 41	507 80	531 53	27 76	22 95	31 50	25 95	38 23	60 60	2,528 43	Street Signs and Numbers.
Periodicals			6 00	3 00							3 50		12 50	Periodicals.
Travelling Expenses and Tolls.....	20 00			10 00					10 00			25 00	65 00	Travelling Expenses and Tolls.
Printing and Stationery.....		10 10	21 20	71 10	4 25	19 25	8 15	5 34	49 85	90 00	24 75	72 45	376 44	Printing and Stationery.
Horses, Harnesses and Carriages.....				150 00	145 50			2 25	4 75	95 25	21 15	11 00	429 90	Horses, Harnesses and Carriages.
Repairs to Shop and Stable.....	13 86				4 17				31 17	6 07	24 50		143 72	Repairs to Shop and Stable.
Electric Light Changes and Repairs.....	111 00	136 25	139 13	58 69	19 00	36 80	350 41	30 27	77 80	75 60	158 30	247 85	1,441 10	Electric Light Changes and Repairs.
Electric Lighting.....	31,736 88	31,909 55	29,007 35	32,350 45	31,199 16	32,373 61	32,151 59	33,124 43	33,769 63	33,176 00	34,271 15	33,976 20	389,046 00	Electric Lighting.
Naphtha Lighting.....	4,982 56	4,966 50	4,493 80	4,969 89	4,811 99	4,973 38	4,617 84	4,832 31	4,810 97	4,586 04	4,616 85	4,437 77	57,099 90	Naphtha Lighting
Kitson Lamps.....											278 06	111 78	389 84	Kitson Lamps.
Messengers.....	In January Draft.	153 20	146 00	160 55	128 00	160 55	128 00	128 00	172 05	212 36	212 36	477 81	2,078 88	Messengers.
Totals.....	\$59,879 43	\$60,500 49	\$54,798 74	\$59,510 84	\$58,336 07	\$60,590 46	\$59,629 18	\$60,913 14	\$62,390 16	\$63,330 01	\$65,052 45	\$63,176 12	\$728,107 09	Totals.

Respectfully submitted,

WILLIAM D. LANG,

Superintendent of Lamps.



ANNUAL REPORT
OF THE
LAW DEPARTMENT
FOR THE YEAR 1900-1901.

BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — The officers in charge of the Law Department respectfully submit the following report of the business of the Department for the year ending January 31, 1901.

The business and duties of the Department, both in variety and amount, continue to steadily increase in the ordinary work of the Department. The legislation increasing the tax and debt limits, the abolition of grade crossings, the laying out or widening of the large and important avenues, — Columbia road, Bennington street, Commonwealth avenue, Huntington avenue, Brighton avenue, North Harvard street, and others, — and the taking of land for drainage of surface water, and the great number of petitions for damages for land taken or injured by these improvements have added greatly to the number of petitions and the regular Department work.

The Department congratulates the City on the settlement, in October, 1900, of the suit of the City of Boston against the Commonwealth of Massachusetts to recover

the value of that portion of the City's water-works which was taken for the Metropolitan Water District in January, 1898. This case was settled for \$12,531,000, which was, as near as could be ascertained, the cost of that part of the system, the idea being that if the newly-constructed parts of the water-works of the Metropolitan District went in at cost, it was fair that that portion of the system which was constructed by the City should also go in at cost. The amount of money involved in this case was probably larger than in any case ever before the courts of Massachusetts.

Mr. John T. Wheelwright, after serving as assistant solicitor to our great satisfaction since March 16, 1896, resigned the office in September of last year, and Mr. Arthur L. Spring was appointed in his stead, September 15, 1900.

CASES IN COURT.

The following table presents a statement of the number of cases in which the City was or is interested, pending at the date of our last report, those since instituted, those disposed of during the year, and those now pending, classified according to the general character of the suits.

Causes of Action.	Pending Feb. 1, 1900.	Brought since Jan. 31, 1900.	Disposed of.	Pending.
Assessments, betterments, taxes, etc. .	94	56	22	128
Building law cases .	22	102	15	109
Damages for taking land, grading streets, etc. . . .	301	224	154	371
Damages by defect in E. Boston sewer . .	220	755	535	440
Injury to persons etc., by street defects, or negligence. . . .	349	158	96	411
Miscellaneous . . .	150	64	51	163
	<u>1,136</u>	<u>1,359</u>	<u>873</u>	<u>1,622</u>

The following is a list of the cases now pending (not including trustee cases), with the names of the parties and the causes of action :

CITY PLAINTIFF AGAINST.

Names.	Cause of action.
Adelman, Aaron	Building law
Aston, Henry	do.
Badger, Wm. F.	Water rates
Barry, John D.	Building law
Same	do.
Bay State Gas Co.	Moving pipes
F. E. Belden, Mica Mining Co.	Tax

Names.	Cause of action.
Berenson, Louis	Building law
Same	do.
Berenson, Max	do.
Same	do.
Berrigan, P.	Filling land
Berry, Benj. P.	Rent
Bevelacqua, R.	Building law
Blake, James A.	Rent
Blake, Royal E.	Support of insane person
Boston & Albany R.R. Co.	Grade crossing
Same	do.
Same	do.
Boston & Lowell R.R. Co.	do.
Boston & Maine R.R. Co.	do.
Same	do.
Same	do.
Boston Distilled Water Co.	Water rates
Boston Electric Lighting Co.	Damages grade crossing
Same	Moving pipes
Boston Gas Light Co.	do.
Boston Whf. Co.	Grade crossing
Brintnall, Norman Y.	Building law
Bromfield, Philip	Illegal weighing
Brown, William	Building law
Same	do.
Brown, L. N.	Water rates
Bruno, Antonio	Building law
Bryer, Alexander K.	do.
Burrage, William W.	do.
Callahan, Mary	do.
Cambridge City	Pauper aid
Clapp George G.	Building law
Clough, Joseph	Filling land
Cohen, Frank	Tax
Collins, Michael F.	Balance due on contract
Commonwealth of Mass.	Sewer takings
Same	Award for sewer takings
Same	Park taking
Same	Water supply taking
Same	Appeal from tax
Same	Transfer of pauper children
Conaty Mary	Building law
Crampton Robert	Support of insane
Cunningham, Thos.	Grade damages
Daly, Hubert	Support of pauper
Davidson, Wm. A.	Building law
Davis, Mary B.	do.
Davis, Saml. G.	do.
Day, John J.	do.
Dobbins, Teresa B.	do.
Same	do.
Dobson, George C.	Judgment, Bradley vs. City
Drexil, Theodore	Building law
Dunbar, Grace J.	do.
Eastern R. R. Co.	Grade crossing
Edison Elect. Ill. Co.	Moving pipes
Same.	Discharging steam into sewer
Estes, Grace D.	Building law
Fandel, Josephine	do.
Fitchburg R.R. Company	Grade crossing
Frankel, Morris	Building law
Friel, James	do.
Frye, Morris	do.
Fuccillo, Theodore	do.
Galvan, Jennie F.	do.
Gay Head Clay & Brick Co.	Water rates
Gilligan, Wm.	Filling land
Ginsberg, Fanny	Building law
Same	do.
Ginsberg, Herman	do.
Same	do.

Names.	Cause of action.
Goldie, Bridget	Building law
Goldie, Michael	do.
Goldstein, Bernard	do.
Goldstein, Israel	do.
Goldstein, Louis	do.
Haley, Saml. D.	Water rates
Hall, Aaron A.	Rent
Harahan, James F.	Building law
Hayden, Chas. H.	do.
Hendrie, Joseph A.	do.
Hicks, Michael J.	Nuisance
Higgins, Mary A.	Building law
Hurvitz, Max	do.
Same	do.
Same	do.
Same	do.
Jacobs, Chas. T.	do.
Jordan, Henry E.	Rent
Joyce, Thos. A.	Building law
Kearney, Martha J.	do.
Kelly, Rich'd B.	Judgment, McDermott vs. City
Kennedy, Henry P.	Building law
Kingman, H. <i>et al.</i> (Met. Sewer Com.)	Trespass
Krokyn, David	Building law
Kurinsky, Abraham	do.
Lamb, George	Filling land
Leary, Matthew J.	Building law
Leshefsky, Harris	do.
Leventhal, Lozo	do.
Levine, Israel	do.
Lifshitz, Betsey	do.
Lonergan, Eliza A.	do.
Lynch, Edwd.	Judgment, Gill vs. City.
Maguire, Annie	Building law.
Mandelswyg, Joseph	do.
Martin, John J.	Nuisance
May, John	Building law
McCormack, Thos.	do.
McGrath, Mary	do.
Same	do.
McMorrow, Philip	Rent
McNamara, John	Judgment, Gill vs. City
Michaelson, Annie	Building law
Morse, E. S.	do.
Moscovitz, Rachael	do.
Mulligan, Bridget	do.
Mulrey, Richard J.	Teaming frauds.
Mulvey, J. B.	Rent.
National Construction Co.	Judgment, Murdock vs. City
Nawn, Owen	Judgment, Arno vs. City
New England R.R. Co.	Grade crossing
Same	do.
Same	do.
Same	do.
Same	Grade damages
New England Sanitary Product Co.	Nuisance
New England Telephone Co.	Moving pipes
Niles, Sullivan	Building law
O'Connor, Daniel	Old cans
Old Colony R.R. Co.	Grade crossing
O'Rourke, Catherine	Building law
Pasquale, Francesco	do.
Pastene, Joseph N.	Judgment, Bradley vs. City
Pearl, Annie E.	Building law
Perry, Louis F.	do.
Pinansky, Simon	do.
Quincy, City	Transfer of pauper children
Quinn, John	Building law
Quinn, Michael J.	do.

LAW DEPARTMENT.

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Names.	Cause of action.
Rathowsky, Ida	Taxes
Richmond, Joseph	Building law
Robinson, Elizabeth	do.
Rubin, Ezra E.	do.
Ryan, Wm. H.	Taxes
Sargent, Sanford	do.
Scannell, John	do.
Schon, Maria	Building law
Shrieftgiesser, Teresa	do.
Schwartz, Max	Building land
Same	do.
Same	do.
Same	do.
Sherman, Abraham M. .	do.
Slutzki, Aaron	Tax
Sullivan, Timothy	Support of insane
Szalenitzky, Annie	Building law
Twigg, Thos.	do.
Vakas, Peter	do.
Wardwell, Maria L.	do.
Wentworth, Marshall	do.
Whipple, J. Reed	Tax
White, Fanny F.	Building law
White, H. P.	do.
Wiley, Agnes M.	do.
Williams, Henry B.	do.
Same	do.
Williamson, R. W.	do.
Wolfsohn, Joseph	Tax
Wyman, Isaac C.	Nuisance
Zieman, Louis	Building law
Same	do.

CITY DEFENDANT.

Names.	Cause of action.
Abbott, Geo. H.	Sewer assessment
Abbott, Leander B.	Sewer taking
Abbott, Louis F.	Sewer nuisance
Adams, Dan'l J.	do.
Adams, Mary M.	Injury in street
Adsit, Willard J.	Sewer nuisance
Ahearn, Maurice	Street assessment
Ailman, Maud M.	Laying out Annabel street
Allbright, John G.	Sewer nuisance
Allen, Margaret A.	Infringement of patent
Allen, William H.	Injury in street
Ambrose, Sarah B.	Betterment Essex street
Ames, Oliver	Widening Boylston street
Same	Betterment Huntington avenue
Amory, Frederic	Taking for playground
Anderson, Elizabeth M.	do.
Same <i>et al.</i>	do.
Same	Widening Bennington street
Andrews, Henry D.	Injury in street
Arey, Richard	Sewer nuisance
Armstrong, John	Street assessment
Arnold, Augustus F.	Injury in street
Arnold, Frank S.	Sewer nuisance
Arnott, Adele V.	Injury in street
Aronson, Simon	Nuisance at Rowe's Wharf
Attorney General	Injury in street
Atzbach, Mary E.	do.
August, Rose	do.
Austin, John	do.
Babb, Mary	do.
Babcock, Annie M.	do.
Babcock, Delia J.	do.
Bacon, Eben	Park betterment

Names.	Cause of action.
Bacon, Winifred S.	Brighton avenue betterment
Bagley, Ellen E.	Widening Bennington street
Bailey, A. Maria	Grading Harrison avenue
Baker, Jonathan W.	Pay as policeman
Baldwin, Kate	Widening Cambridge street
Baldwin, Thos. H.	do.
Balkam, John D.	Injury in street
Ballem, Mary M.	Injury at ferry
Barham, Alfred J.	Sewer nuisance
Barlow, Mary M.	Injury in street
Barry, Chas. A.	Labor and services
Barry, David W.	Injury in street
Bartlett, Nelson S.	Grade damage
Bassett, Wm. F.	Damage by water
Bateman, Anna F.	Injury in street
Baxter, Horace W.	Sewer taking
Beal, James H.	Widening Charlestown street
Same	do.
Beal, Wm. F.	Laying out Blandford street
Bearse, Mary E.	Grade damage
Beaton, James.	Sewer nuisance
Bell, Dorothy M.	do.
Benedict, William	Grading Lauriat avenue
Bennett, Louis N.	do.
Bennett, James	Sewer nuisance
Bennett, Minnie A.	do.
Bernard, Ellen	do.
Bernard, John G.	do.
Bernard Peter D.	do.
Benson, Almeria	do.
Benson, Herman	do.
Benson, Selina	do.
Berry, Annie E.	do.
Berry, John	Work and materials
Berry, Sabina F.	Sewer taking
Beton, Neill	Widening Bennington street
Betts, George	Injury in street
Bickford, Ira B.	Brighton avenue betterment
Biggio, James T.	Damage by water
Bishop, Louise M.	Grading Lauriat avenue
Black, Helen P.	Sewer nuisance
Blackman, Gertrude	Injury in street
Blesedell, Helen M.	do.
Bloomberg, Annie	Sewer nuisance
Bloomberg, Joseph	do.
Bonzagni, Vincenzo	Widening Bennington street
Booth, John	Laying out Ashley avenue
Borges, Cezar P.	Sewer nuisance
Boston & Albany R.R. Co.	Grade crossing
Same	Assessment for Huntington avenue
Same	do.
Boston Belting Co.	Taking Stony brook
Same	do.
Boston Electric Light Co.	Relocating Congress street
Same	do.
Same	Grade damage
Boston Elevated Ry. Co.	For permit to open street
Boston Gas Light Co.	do.
Boston Terminal Co.	Atlantic avenue widening
Boston Water Power Co.	Laying out Worthington street
Bowditch, Charles P.	Discontinuing South street
Bowditch, Henry P.	Sewer assessment
Bowe, James E.	Obstructing brook
Boyle, John F.	Sewer nuisance
Bradford, Gamahiel	Betterment Brighton avenue
Bradlee, James A.	Injury at ferry
Bradley, Sarah	Grading Endicott street
Bragdon, Byron F.	Sewer nuisance
Bragg, Grace E.	Injury in street
Bragg Manufacturing Co.	Infringement of patent

Names.	Cause of action.
Brainard, Elizabeth W.	Injury in street
Braxton, Mary J.	Sewer nuisance
Breck, Charles H.	Widening Tremont street
Breck, James	Sewer nuisance
Breed, Arthur J.	Injury in street
Brennan, Edward F.	Sewer nuisance
Brennan, Mary J.	Injury in street
Brennan, Thomas	do.
Brickhill, William A.	Infringement of patent
Brigham, Frank E.	Injury in street
Brighton Avenue Baptist Society	Betterment Brighton avenue
Brokenshire, Augusta M.	Injury in street
Brooks, James I.	Park taking
Brooks, Marietta P.	Sewer taking
Brown, Adeline E.	Columbia road taking
Brown, Benjamin F.	School-house taking
Browne, Causten	To prevent purchase of land
Brown, Frances E.	Widening Morton st.
Brown, Hattie E.	Betterment Brighton avenue
Brown, Henry A.	Sewer nuisance
Brown, John	do.
Brown, Lucius A.	Laying out Shirley street
Bruce, John D.	Injury in street to wife
Bruce, Josephine	Injury in street
Brummett, Albert A.	do.
Bruno, Raphael	Sewer nuisance
Bruzzell, Mary	do.
Bryne, James L.	Taking away contract
Buchanan, Robert	Injury by a city horse
Buck, Theodore H.	Widening Bennington street
Buckley, Johanna	Injury in street
Bunton William A.	Grading Endicott street
Same	Obstructing brook
Burdick, Carrie M.	Laying out Barry street
Burgess, Elizabeth	Widening West Selden street
Burke, Agnes C.	Widening Bennington street
Burke, Michael	Injury by blast
Burke, William E.	Columbia road taking
Same	do.
Butler, James	Sewer nuisance
Butler, William	do.
Byrne, Margaret J.	Injury at ferry
Byron, Martha A.	Injury in street
Cabot, Louis, <i>et al.</i>	Betterment Huntington avenue
Cadigan, Dennis A.	Injury at pumping station
Cain, Florence	Sewer assessment
Calderwood, John C.	Injury in street
Callahan, Joseph	Sewer nuisance
Callahan, Mary A.	do.
Callahan, Thomas	do.
Calnan, Margaret	Injury in street
Campbell, Henrietta J.	Injury in Public Garden
Cannon, Elizabeth	Sewer nuisance
Capabianco, Angelo	School-house taking
Capello, Clara E.	Sewer nuisance
Capello, Robert R.	do.
Carey, Patrick F.	Widening Draper street
Carle, George	Injury in street
Carlen, Lucy O.	Widening Bennington street
Carley, Patrick F.	Widening North Harvard street
Carlin, Jane	Sewer nuisance
Carlson, Mary C.	Injury in street
Carlton, Saml. A.	Restrictions on building
Carret, James R.	Sewer taking
Same	do.
Carroll, Patrick J.	Grade damages, South Boston
Carroll, William	North Endicott street
Case, Margaret C.	Sewer nuisance
Casey, Ann	Injury in street
Casey, Annie M.	Sewer nuisance

Names.	Cause of action.
Casey, John D.	Sewer nuisance
Cashman, Bridget	do.
Cassidy, James	do.
Cavanagh, Bridget	Injury to husband in trench
Cavanagh John	Sewer taking
Cavanagh Michael A.	Horses sold
Cedar Grove Cemetery	For leave to sell land
Chapin, Geo. F.	Grading street
Chapman, Laura T.	Sewer nuisance
Chase, Angie P.	Injury at ferry
Chase, Sydney.	Appeal from taxation
Chelsea City	Grade crossing
Childrens' Hospital	Betterment Huntington avenue
Childs, Horace R.	Injury in street
Chirurg, Dora	do.
Chubb, Wm. B.	Betterment Brighton avenue
Clancy, Michael	Sewer nuisance
Clark, Barnabas	Work on dam
Clark, Edward P.	Grading Endicott street
Same	do.
Same	do.
Clark, John C.	Discharging a veteran
Clarke, Louise V.	Injury in street
Clark, Mary A.	Park betterment
Same	do.
Clark, Michael F.	Sewer nuisance
Clasby, Michael	Widening North Harvard street
Clough, Geo. A.	Architects' Commissions
Clough, Joseph H.	Sewer taking
Clouter, Harriet	Sewer nuisance
Clouter, Wm. J.	do.
Cobb, Annie	do.
Cobb, Bates & Yerxa Co.	Damage by water
Cobb, Wm. H.	Pay as fireman
Cobleigh, Geo. W.	Widening Corinth street
Cody, Mary E.	Injury in street
Coffin, Artemas W.	Sewer nuisance
Coffin, Chas. C.	Sewer taking
Same	Taking for street
Coffin, Ellen M.	Sewer nuisance
Coffin, Lewis H.	do.
Cogswell, Caroline F.	Widening North Harvard street
Cole, Mollie K.	Restrictions on buildings
Collins, Gertrude	Sewer nuisance
Collins, Michael F.	Balance on contract
Collison, Harvey N.	Street assessment
Comerford, Martin	Injury in street
Commonwealth of Mass.	Pauper aid
Same	Taking for South Station
Same	do.
Compiano, Rosa	Widening Bennington street
Conlon, Michael J.	Sewer taking
Connelly, Thos. H.	Balance on contract
Connolly, Ann T.	Sewer nuisance
Connolly, Bartholomew	do.
Connolly, Charles	do.
Connolly, Ellen	do.
Connolly, James	do.
Connors, Ellen	do.
Conroy, Daniel	Injury in street
Cook, Wm. P.	Assault by ferry-hand
Copp, Mary	Injury in street
Cordeiro, Pedro M.	Sewer nuisance
Corkery, Maria	Injury in street
Corley, John W.	do.
Costello, Annie M.	Sewer nuisance
Costello, James J.	Taking for playground
Cote, Louis P.	Injury by a horse
Cotting, Chas. U.	Betterment Brighton avenue
Same	do.

Names.	Cause of action.
Cotting, Chas. U.	Widening Charlestown street
Same	Grading Harrison avenue
Cowan, Lorenzo	Injury in street
Cox, Ann J.	Sewer nuisance
Cox, Annie M.	do.
Cox, Edw. M.	do.
Coxeter, Abby M. S.	Injury in street
Crabtree, Annie M.	do.
Craig, James H.	do.
Cram, Mary J.	Injury in street
Crocker, Frank M.	Betterment Brighton avenue
Cronin, James vs. Thomas Shea	Assault
Cronin, Mary E.	Laying out Annabel street
Crosby, John F.	Injury in street
Crossfield Henry	do.
Crowley, Annie L.	Sewer nuisance
Crowley, Mary J.	Widening Bennington street
Crowley, Wm. J.	Sewer nuisance
Crowther, Harold	Injury in street
Crue, Elise	do.
Cullen, Bridget	Sewer taking
Cunningham, Bridget T.	Sewer nuisance
Cunningham, Catherine	Widening Bennington street
Cunningham, Michael	Sewer nuisance
Cunningham, Thomas	Sewer taking
Same	Widening B street
Cunningham, Thos. H.	Sewer nuisance
Curley, John	do.
Curley, Patrick J.	Discharging veteran
Same	Widening Tremont street
Cuozzo, John	Sewer nuisance
Cuozzo, Mary	do.
Curran, John	Injury on bridge
Curran, Michael	Sewer nuisance
Currier, Joseph S.	Widening Charlestown street
Curtin, Catherine E.	Sewer nuisance
Curtis, Joseph	Widening Perkins street
Cushing, Geo. S.	Park taking
Cutter, Wm. H.	Betterment Brighton avenue
Dacey, Bartholomew	Injury by team
Dale, Margaret	Injury in street
Daly, Daniel	do.
Daly, Ellen T.	do.
Daly, Patrick	do.
D'Amico, Antonio	do.
D'Amico, Congeta	do.
D'Amico, Pasquale	do.
Darcy, John	Sewer nuisance
Davenport, Abbie Louise	Sewer taking
Davidson, Wm. A.	do.
Same	Grading Clinton place
Davis, Emma P.	Injury in street
Davis, James C.	Grading, South Boston
Decker, Fred	Injury in street
Deeley, Annie G., Adm'x	do.
Delaney, Annie J.	do.
Delea, John J.	Widening Morton street
Demmon, Marcia D.	Betterment Huntington avenue
Dempsey, Elizabeth	Sewer nuisance
Devine, John	Park betterment
Dewitt, Margaretha	Widening Bennington street
Dexter, Gordon	Flooding land
Same	Brighton avenue betterment
Same	Sewer taking
Same	Grading, South Boston.
Dexter, Wm. S.	Columbus avenue extension
Di Angelis, Paolantonio	Labor claim
Same	do.
Dickinson, Evelyn	Injury in street
Diggins, Margaret E.	Sewer nuisance

Names.	Cause of action.
Diggins, Thomas	Sewer nuisance
Dilliber, Margaret B.	do.
Dillon, James	do.
Dingwell, Hazard T.	Injury in street
Dixon, William	do.
Dodges, Hattie M.	Widening Cambridge street
Doherty, Hugh H.	Sewer nuisance
Doherty, Margaret M.	Injury in street
Dolan, John	do.
Dolan, Mary	do.
Dolan, Michael	do.
Dolliyer, Frank P.	Sewer nuisance
Donahue, Margaret	Injury in street
Dondero, Carlo	Laying out Ashley avenue
Donnelly, Chas. F.	Widening Bennington street
Donnelly, Edw. F.	Injury in street
Donnelly, Michael	Injury in subway
Donovan, Catherine	Injury in street
Donovan, Elizabeth	Sewer nuisance
Donovan, Maria J.	do.
Donovan, Michael	Work on school-house
Donovan, Patrick J.	Laying out Bird and Hancock streets
Dooley, Annie	Injury in street
Dooley, James A.	Sewer assessment
Dooley, Wm. E.	Injury in street
Doolin, John J.	Columbia road taking
Dorgan, Dennis	Sewer nuisance
Dorstrom, Christina A.	Injury at ferry
Doucette, Geo. H.	Sewer taking
Same	Grading Clinton place
Downing, Bridget T.	Sewer nuisance
Downing, Catherine	School-house taking for
Downing, John	Sewer nuisance
Downing, Mary	do.
Doyle, Lizzie	Injury in street
Doyle, Thomas	Trespass
Drake, Herman	Injury in street
Dreiling, Valentine	Widening West Selden street
Drewson, John	Damage to horse
Drinan, Ellen	Injury in street
Driscoll, Catherine	do.
Driscoll, Florence	do.
Drislane, Margaret	do.
Drowney, Agnes	Sewer nuisance
Duffy, John	Widening Bennington street
Duffy, Lillian	Injury at Castle Island
Duffy, Thomas	Sewer nuisance
Dugan, Daniel M.	Widening Bennington street
Same	do.
Dunbar, Henry C.	Injury in street
Dunn, Lucy J.	do.
Dunne, Frank L.	Widening Charlestown street
Same	Trespass
Dunne, Patrick	Sewer nuisance
Durick, Daniel	Injury in street
Dutton, Louisa B.	Relocating Brookline avenue
Dwalley, John F.	Sewer nuisance
Eagan, Bridget	Widening North Harvard street
Earl, Margaret M.	Injury in street
East Boston Cricket Club	Widening Bennington street
Eddy, J. Lodge	Sewer taking
Edson, Mary F.	Injury in street
Edwards, David	Sewer nuisance
Edwards, James H.	Widening North Harvard street
Edwards, William	do.
Same	Sewer nuisance
Egan, Patrick	Injury by derrick
Ellis, Lena P.	Injury in street
Ellorett, Augustus E.	Sewer nuisance
Elonsky, Rosa A.	Injury in street

Names.	Cause of action.
Emerson, Nath'l W.	Injury in street
Emmett, John	Sewer nuisance
Engle, Joseph	Obstructing brook
Entwistle, Emma	Sewer nuisance
Entwistle, James	do.
Estabrook, Edward L.	Betterment Huntington avenue
Evans, Grace L.	Taking for playground
Evans, Letitia B.	Laying out Rowe street
Everett, May I.	Injury in street
Every, Emily W.	Sewer taking
Fabyan, Sarah A.	Sewer nuisance
Fairbavin, Robert B.	Street assessment
Fairbank, Sophia R.	Widening North Harvard street
Fairfield, George W.	Betterment Brighton avenue
Fallon, John B.	do.
Fallon, Mary G.	Sewer nuisance
Farley, Mary	do.
Farmer, Johanna F., Adm'x	Injury in street
Farr, Sarah M.	do.
Farwell, George R.	Grading, South Boston
Faxon, Henrietta B.	Sewer taking
Fay, Caroline B.	Sewer nuisance
Feder, Simon	Injury in street
Feeney, Daniel	Injury in trench
Fernald, Charles A.	Pay as policeman
Fernald, Henry H.	Balance from tax sale
Field, Catherine J.	School-house taking
Finkelstein, Benjamin	Injury in street
Finn, Frank	Sewer nuisance
Finneran, Bridget F.	Widening Bennington street
Fisher, Edwin S.	Damage by water
Fisher, Sarah G.	Sewer nuisance
Fiske Wharf and Warehouse Co.	Obstructing dock
Fitzgerald, Katherine	Injury in street
Fitzgerald, Margaret	Sewer nuisance
Fitzgerald, Mary E.	Injury in street
Fitzgerald, William	do.
Fitzpatrick, Ellen F.	Widening Bennington street
Flaherty, Richard D.	Injury in street
Flannigan, James J.	Damage by water
Fletcher, Calvin G.	Damage to team
Flynn, Ann J.	Sewer nuisance
Flynn, John J.	Balance on contract
Flynn, Kate	Injury in street
Forest Hills Cemetery	Park betterment
Foster, Frank A.	Services as engineer
Fowler, Charles H.	Park betterment
Francis, Margaret	Injury in street
Francis, Mary	do.
Franklin, Albert B.	Balance on contract
Fraser, Duncan	Laying out West Selden street
Fraser, Mary	Sewer nuisance
Fraser, William	do.
Freed, Rosalia R.	Damage by blasting
Freeman, Michael F., Jr.	Extending Columbus avenue
Same	Trespass
French, Eunice W.	Widening North Harvard street
French, John E.	Sewer nuisance
French, John J.	do.
French, Lillian M. B.	do.
Friedman, Isaac	Injury in street
Friedman, Samuel	do.
Fritz, Burpee E.	Sewer nuisance
Frost, Franklin N.	Betterment Harrison avenue
Frye, Emily J.	Betterment Brighton avenue
Fuller, Edwin V.	Damage to house
Fuller, Sarah E.	Injury in street
Furlong, Susie	Sewer nuisance
Gaddy, Albert	Injury in street
Gallagher, James P.	Sewer nuisance

Names.	Cause of action.
Gallagher, John	Sewer nuisance
Gallagher, Mitchell	do.
Gallagher, Owen	Injury to wife in street
Gallagher, Sarah J.	Widening Morton street
Gallant, Tranquille	Injury in street
Gannon, Mary	do.
Gardner, Isabella S.	Laying out Worthington street
Gardner, John	Sewer nuisance
Ganley, John	Widening Morton street
Geiger, Albert	Widening Columbus avenue
Geldard, Eli	Widening Bennington street
German Lutheran Society	School-house taking
Gerstel, Wm., Jr.	Injury in street
Gill, Dennis	Sewer nuisance
Gillen, Wm. J., Adm'r	Injury on bridge
Gillis, John H. vs. H. L. Plummer	Injury by vaccination
Gillis, Nellie A.	Injury in street
Gilson, Delia S.	Taking building
Ginn, Sarah L.	Altering Stony brook
Ginsberg, Ida	Injury in street
Glenn, Alice M.	Sewer nuisance
Glenn, John J.	do.
Glidden, Chas. N.	Damage by blast
Glover, Ann	Street watering assessment
Glover, Horatio N.	do.
Same	Sewer taking
Glover, Louise	Trespass
Goff, James M.	Injury on bridge
Golden, Rose	Injury in street
Goldman, Johanna	Injury in street
Goodenough, Henry B.	Sewer taking
Goodwin, Wilbur	Widening Bennington street
Gordon, George N.	Injury in street
Gordon, Jason	do.
Same	do.
Gorman, Thomas P.	Sewer nuisance
Gould, Herbert	Injury in street
Gould, William P.	Relocating Perkins street
Gourham, Barbara	Injury in street
Gourley, John	School-house taking
Gove, Horace D.	Sewer nuisance
Grace, Henry R.	do.
Grady, Michael	Widening North Harvard street
Graham, Bartholomew	Grade damages
Granato, Antonio	Injury in street
Grant, Ellen P.	Laying out Florida street
Green, John A.	Balance on contract
Green, Margaret M.	Injury in street
Green, Perry	do.
Greenberg, Louis	Injury at ferry
Greene, Fred. C.	Grade damages
Greenfield, Margaret E.	Sewer nuisance
Greenhood, Lillie L.	
Griffin, Daniel F.	Injury in street
Griffin, Patrick	Sewer nuisance
Griffin, Willis	Injury by fire truck
Grinley, Francis E.	Injury on bridge
Griswold, Lucy A.	Widening Boston street
Gross, Susan M.	Betterment Brighton avenue
Grover, Nellie M.	Sewer taking
Gunn, James G.	Injury in street
Gurshin, John S.	Widening Bennington street
Hackett, Esther L.	Widening North Harvard street
Hackett, Paul	Injury in street
Haddock, Wm. H.	Laying out Florida street
Hagerty, Catherine	Sewer nuisance
Hagerty, Patrick	do.
Hales, Margaret	Injury in street
Haley, Ellen	do.
Haley, Mary F.	Betterment Brighton avenue

Names.	Cause of action.
Haley, Robert	Widening Bennington street
Haley, William	Collision in harbor
Same	do.
Hall, George O.	Injury by blast
Hall, Thomas	Sewer assessments
Hammer, Ellen L.	Sewer nuisance
Hammer, Fred C.	do.
Haney, Margaret	Injury in street
Hanley, Daniel	Labor claim
Hanley, Ellen	Sewer nuisance
Hanraty, Catherine	Widening Bennington street
Harding, Wm. S.	Injury in street
Harmon, Rossie E.	Sewer taking
Harrahy Peter	Injury by blast
Harrigan, Hannah A. B.	Sewer nuisance
Harrington, Catherine	Injury in street
Harrington, James J.	do.
Harrington, Jessie	Injury at hospital
Harrington, Mary A.	Injury at ferry
Hartley, Ella M.	Injury in street
Harvard College	Widening North Harvard street
Same	Taking for playground
Hastings, Delia	Injury in street
Hastings, Priscilla	Widening Bennington street
Hatch, Margaret M.	Injury in street
Hatheway, Nathl.	Widening Summer street
Hayden, Alice M.	Injury on ferry
Hayes, Mary E. C.	Injury in street
Hayes, Wm. H.	School-house taking
Same	do.
Healy, Carrie E.	Laying out Astor street
Same	Street assessment
Healy, Patrick	Widening Bennington street
Same	do.
Same	do.
Same	do.
Heard, J. Theodore	Taking for bridge
Same	Grading Causeway street
Same	do.
Hefferan, James	Widening North Harvard street
Hefferan, Mary	do.
Hemping, Bridget	Injury in street
Henders, Benj. F.	Sewer nuisance
Hendrie, Joseph A.	Trespass
Same	do.
Henry, Patrick	Sewer nuisance
Henry, Sabeno G.	Widening Bennington street
Herman, Wm. H. vs. Thos. J. Flynn	Injury by fire truck
Herrick, Sophronia N.	Sewer taking
Same	do.
Herrick, Thos. W.	Betterment Brighton avenue
Hersey, Edith M.	Sewer nuisance
Herthel, Fred J.	Grading Ruggles street
Herthel, Jacob	do.
Hewins, Anna G. C.	Sewer taking
Hickey, Elizabeth	Sewer nuisance
Higgins, Addie	Park betterment
Higgins, Frank	Sewer nuisance
Higgins, John J.	do.
Higgins, Lizzie A.	do.
Higgins, Mary A.	do.
Hingham Institution for Savings	Street assessment
Same	do.
Hodgkins, J. Frank	Widening Bennington street
Hodgkins, Josephine B., Adm'x	Sewer nuisance
Same	do.
Hodgkins, Lettie B., Adm'x	do.
Hodgkins, Samuel, Adm'x	do.
Hodson, Robert	do.
Same	do.

Names.	Cause of action.
Hodson, Robert, Jr.	Sewer nuisance
Same	do.
Same	do.
Hollace, Nelson E.	Sewer taking
Holland, Henry W.	To prevent taking down buildings
Holleran, John A.	Injury in street
Hollins, Mabel A. R.	do.
Hollis, Adelaide E.	Betterment Brighton avenue
Hollis, Geo. W.	School-house taking
Holman, Chas. E.	Widening Charlestown street
Holmes, Geo. A.	Injury in bath-house
Homes, William	Widening Draper street
Honlin, Mary	Sewer nuisance
Horne, John W.	Street assessment
Houghton, Elizabeth	Sewer nuisance
Howard National Bank	Street assessment
Howley, Mary A.	Widening North Harvard street
Hubbard, Joseph	Injury in street
Hubbard, Mary A.	Betterment Brighton avenue
Hughes, Henry	Sewer nuisance
Hughes, John	do.
Humphreys, Richard C.	Sewer taking
Hunt, Ellen L.	Trespass
Hunt, Israel T.	Injury in street
Hunt, Mary E.	do.
Hunt, Mary L.	Betterment Brighton avenue
Hurd, Theodore C.	Laying out Cummington street
Hurley, Elizabeth C.	Injury in street
Hurley, Mary F.	Grading Annabel street
Hurmans, Lawrence J.	Injury in street
Hutchins, Lydia E.	Grading Charlestown street
Hyde, Irene A.	Injury in street
Jackson, Caroline E.	Taking passageway
Jackson, Charles E.	do.
Same	do.
Jacob, Margaret J.	Sewer taking
Jacob, Mary C.	Sewer nuisance
Jeffrey, Joseph	do.
Jeffrey, Margaret	do.
Jenkins, Bessie	Injury in street.
Jenkins, Edw. J.	do.
Jewell, Albert L.	Street assessment
Jezze, Giovanni	Labor claim
Johnson, Graton R.	Sewer nuisance
Johnson, James B.	Widening Bennington street
Johnson, Maria	Injury in street
Johnson, Sydney J. L.	do.
Jones, J. Edwin	Balance on contract
Jones, Mary A.	Injury in street
Jones, Susie	do.
Jordan, Eben D.	Huntington avenue assessment
Same	do.
Jordan, Elizabeth	Grade damages
Joyce, Ellen	Injury in street
Joyce, Thos. A.	Widening Spring street
Judge, John	Sewer nuisance
Kaiser, Minerva B.	Widening Charlestown street
Same	Grading Charlestown street
Kane, Frances L.	Widening Spring street
Kane, Mary E.	Sewer nuisance
Kane, Mary L.	do.
Kavanagh, Patrick	do.
Kean, Thomas	Tax
Kearns, Winifred	Injury in street
Kedansky, Fanny	do.
Keefe, Elizabeth	Sewer nuisance
Keefe, Michael	do.
Keefe, Wm. H.	Injury to horse by wire
Kehan, John S.	Sewer nuisance
Kehoe, Annie E.	do.

Names.	Cause of action.
Kehoe, William	Sewer nuisance
Kellaher, John P.	Widening Charlestown street
Keliher, Mary	Injury in street
Kelley, Ann	Sewer nuisance
Kelley, Gilbert	Injury at ledge
Kelley, James	Injury in street
Kelley, Mary	do.
Kelley, Mary	Taking for bridge
Kelley, Timothy	Injury in street
Kelley, Chas. A.	Sewer nuisance
Kelly, Hannah	do.
Same, Admx.	do.
Kelly, Helen	do.
Kelly, Henry N.	Services at Deer Island
Kelly, John	Sewer nuisance
Kelly, John C.	do.
Kelly, Joseph T.	do.
Kelly, Thos. B.	Injury in street
Kenney, Mary	Sewer nuisance
Same	do.
Kennison, Catherine	Injury in street -
Kennison, Thomas	Injury to wife
Keohane, Timothy	Sewer nuisance
Keyes, Wm. H.	Work on school-house
Kilcullen, Bridget	Widening Bennington street
Killion, Michael	do.
Kilroy, Michael	Injury in street
King, Jennie W.	Restrictions on building
King, Mary	Sewer nuisance
King, Saml. G.	Grade damages
King, Thos. J.	Injury in street
King, Wm.	Sewer nuisance
Kingman, H. (Met. Sewer Com.)	Award for takings
Kinney, Caroline	Injury in street
Kirk, Frank	do.
Klause, Andrew F.	do.
Knapp, Mary A.	do.
Knoblock, Nellie	Sewer nuisance
Knowles, Harry B.	Laying-out Commonwealth avenue
Same	Street assessment
Same	do.
Same	do.
Same	Trespass
Kriss, Geo. B.	Sewer nuisance
Kuctala, Annie	do.
Kussmaul, Rudolph	Injury in street
Ladner, Lottie	do.
Lally, Bridget	Sewer nuisance
Lally, Catherine	Injury in street
Lally, George W.	Sewer nuisance
Lally, Michael	do.
Lancy, Benjamin	Grading Dorchester avenue
Landry, Catherine	Injury in street
Lane, Ellen J.	Sewer taking
Lane, John T.	Sewer nuisance
Lane, Kate	do.
Lane, Martin J.	do.
Lane, Michael	Injury in street
Lane, Patrick H.	Sewer nuisance
Lang, Sarah F., Guardian	Injury in street
Langanfeldt, John	Sewer nuisance
Same	Grade damages
Lanktree, John	Sewer nuisance
Same	do.
Lantry, James	do.
Larkin, Joseph	Injury in street
Lavis, Charles	Injury by horse
Lawrence, John	Betterment Clinton street
Lawson, Ernest A.	Injury in street
Lawton, James E.	Sewer nuisance

Names.	Cause of action.
Lazendoerfer, Elise	Widening Perkins street
Leahy, Catherine	Sewer nuisance
Leahy, William P., Administrator	Injury in street
Learnard, Samuel S.	Widening Cambridge street
Lee, Mary F.	Injury in street
Lee, Song	Widening Bennington street
Lena, Letterio	Injury by workman
Leonard, Margaret L.	Injury in street
Leonder, Marx	do.
Leverone, John S.	Injury by falling building
Levy, Etta	Injury in street
Levy, Morris	do.
Lewis, Alice	Sewer nuisance
Lewis, Daniel	do.
Lewis, Henrietta L. B.	do.
Lewis, James M., Administrator	do.
Same	do.
Lewis, John	do.
Lewis, Susan	Injury in street
Lewis, William P.	Sewer nuisance
Libbey, William L.	Sewer taking
Lightbody, Catherine	Sewer nuisance
Lightbody, Fred H.	do.
Lincoln, William H.	Street assessment
Same	do.
Same	do.
Linehan, Margaret	Injury in street
Linihan, Dennis	Grading East Dedham street
Lithgoe, George Z.	Widening Bennington street
Locke, George B.	Injury in street
Logan, Lawrence J.	Widening Pontiac street
Same	do.
Lonergan, Pierce F.	Balance on contract
Long, Thomas	Injury in street
Loring, Augustus P.	Grade damages
Same	Betterment Huntington avenue
Same	Assessment for South Station
Loring, Sarah	Assessment for Brighton avenue
Loud, George H.	Injury in street
Low, Louisa R.	do.
Low, William A.	Park betterment
Lucas, Horace A.	Street assessment
Luce, Syrena L.	Injury in street
Lucey, Charles	Sewer taking
Lucy, Margaret	Injury in street
Lynch, Edward T.	Sewer nuisance
Lynch, Ellen	Sewer assessment
Lynch, John F.	Grade damages
Lynch, Mary L.	Sewer nuisance
Lynn, Richard	do.
Lyons, Bridget	Injury in street
Macdonald, John	Overflow of culvert
Macdonald, Margaret M.	Sewer nuisance
Macdonald, R. Cyrene	Injury in street
Macdonard, Margaret	do.
Mack, Thaddeus E.	Sewer nuisance
Mackinnon, Hugh	do.
MacLaughlin, Mary E.	do.
Macquarrie, Eliza B.	Taking for playground
Madden, Daniel A.	To compel purchase of land
Magher, Annie C.	Sewer nuisance
Magher, James	do.
Maguire, Jane	Injury in street
Mahaney, Hannah	do.
Mahoney, Annie F.	do.
Mahoney, Catherine	do.
Mahoney, Daniel J.	Injury at ferry
Mahoney, Ellen	Injury in street.
Mahoney, Isabella	Sewer nuisance
Mains, James	Widening Charlestown street

Names.	Cause of action.
Mandell, Chas. M.	Injury in street
Maneivitz, Isaac	do.
Maney, James J.	Labor claim
Manning, Coleman J.	Injury in street
Manning, Hannah L.	Injury to daughter
Manning, Kate	Injury in street
Manning, Rose A.	Sewer nuisance
Marcion, Giovanni	Labor claim
Mardone, Louise	School-house taking
Margolis, Edward I.	Sewer nuisance
Martin, James	Injury by stone crusher
Martin, Mabel S.	Betterment Brighton avenue
Martin, Rose E.	Injury in street
Martin, Wm. H.	do.
Mason, Wm. P.	Columbus avenue extension
Mass. Fire Proof Stor. Warehouse	Betterment Huntington avenue
Masters, Hilmon P.	Injury in street
Matthews, Annie M.	Sewer nuisance
Matthews, Catherine M.	do.
Matthews, Christina	do.
Same	do.
Matthews, Elizabeth	do.
Matthews, Thos. A.	do.
Mayes, Frank	Injury in street
Mayes, Margaret	do.
Maynard, Gertrude M.	Betterment Brighton avenue
McBarron, Francis J.	Injury in street
McCarthy, Calor	do.
McCarthy, Catherine	do.
Same	Sewer nuisance
McCarthy, Eliza	Injury in street
Same	do.
McCarthy, Ellen	do.
McCarthy, Louis	Sewer nuisance
McCarthy, Timothy	Extending Bird street
McCarthy, Timothy J.	Sewer nuisance
McCashion, Ann	do.
McCashion, Annie	do.
McCashion, Hugh	do.
McCashion, John	do.
McClellan, Jane	Widening Bennington street
McClellan, Michael	do.
McClellan, Wm. F.	do.
Same	do.
McClusky, Elizabeth	Injury in street
McCool, Mary	do.
McCormick, Margaret	Sewer nuisance
McCue, Thomas	Injury in street
McCullough, Edward F.	Stony brook improvement
McCune, John E.	Injury in street
McCutcheon, Frank M.	Widening Green street
McDermott, Mary E.	Sewer nuisance
McDonald, Annie S.	do.
McDonald, Catherine F.	do.
McDonald, Hannah	Obstructing brook
McDonald, Isabelle	Sewer nuisance
McDonald, John	Injury in street
Same	Obstructing brook
McDonald, John W.	Injury in street
McDonald, Mary	do.
McDonald, Mary A.	Sewer nuisance
McDonald, Richard M.	do.
McDonough, Bridget	do.
McDonough, Martin	do.
McElligat, Francis	Injury in street
McElroy, Henry	Betterment Brighton avenue
McFeeley, Elizabeth	Injury in street
McGee, Thomas	Injury in subway
McGillen, Francis	Sewer taking
McGinn, Patrick	Widening North Harvard street

Names.	Cause of action.
McGonagle, Dana P.	Sewer nuisance
McGovern, James	Balance on contract
McGrath, Michael J.	Sewer nuisance
McGrauth, Ella	do.
McGuire, Mary	Injury in street
McHugh, Edward	do.
McHugh, Edward J.	Sewer nuisance
McHugh, Edward T.	do.
McHugh, Ellen	do.
McHugh, Gertrude	do.
McHugh, Mary	do.
McIntire, Elizabeth	Injury in street
McIntosh, Alexander	do.
McKee, Nellie	do.
McKenney, Alexander C.	Sewer nuisance
McKenney, Ellen F.	do.
McKenney, Timothy	Injury by blast
McKenney, Wm. F.	Sewer nuisance
McKie, Wm. A.	do.
McKillop, Louis	do.
McLaren, James S.	do.
McLaren, Sarah A.	do.
McLaughlin, Annie	do.
McLaughlin, Annie E.	do.
McLaughlin, Edwd. A.	Widening Bennington street
McLaughlin, Elizabeth	Injury in street
McLaughlin, Eunice A., estate	Widening Bennington street
McLaughlin, James	Sewer nuisance
McLaughlin, Lusica	do.
McLaughlin, Philip M.	Widening Bennington street
McLauthlin, Geo. T.	Park betterment
McLauthlin, Martin P.	Widening Brookline avenue
McLean, Margaret	Injury in street
McMahon, Delia	Injury in street
McMahon, Margaret	Injury on school-house steps
McNeil, Annie C.	Sewer nuisance
McNeil, Margaret J.	do.
Same, administratrix	Columbia road taking
McNeil, Neil	Injury in street
McNulty, Edward P.	Sewer nuisance
McPhee, Wm. H.	Injury in street
McQuaid, John	Sewer nuisance
McRae, Agnes	do.
McRae, Alexander	Sewer taking
McShane, John	Sewer nuisance
McSheehy, Joseph	do.
McSheehy, Samuel	Pay as fireman
Meehan, James	Park betterment
Meehan, Patrick	Injury by blast
Meehan, Thomas	Sewer nuisance
Mercantile Whf. Co.	Sewer assessment
Metcalf, Albert	Apportionment of cost
Met. Park Commissioners	Widening Corinth street
Meyers, August	Sewer nuisance
Miller, Agnes	Injury in street
Miller, Augusta	Sewer nuisance
Miller, Axel	do.
Miller, Charles	do.
Miller, Emma	do.
Miller, Frank	do.
Miller, Johanna	do.
Miller, Nellie J.	do.
Miller, Susan W.	do.
Millowitch, Jane	Widening Bennington street
Mills, Geo. V.	Injury in street
Milton, Town	Grade crossing, Central avenue
Minot, William	Grade damages
Miskell, Thomas	Park betterment
Mitchell, Helen B.	Sewer nuisance
Mitchell, Muriel	do.

Names.	Cause of action.
Mitchell, Thos. J.	Sewer nuisance
Mitchell, Wm. S.	do.
Same	
Mohilly, Maggie	Injury in street
Monroe, James A.	Sewer taking
Same	Street assessment
Same	do.
Moore, Eliza A.	Widening Falmouth street
Same	Sewer taking
Moore, John F.	Norway street taking
Moore, Robt. A.	Obstructing brook
Moran, Mary	Injury in street
Morey, Eliza A.	Widening Tremont street
Morris, Marion	Sewer nuisance
Morris, Philip P.	do.
Morrison, Geo. A.	do.
Morrison, John H.	do.
Morrison, Manuel	do.
Morrison, Margaret	do.
Morrison, Mary	do.
Morse, Annie M.	do.
Morse, Francis A.	Sewer taking
Moynihan, Dennis	Injury in street
Moynihan, Eliza J.	Sewer nuisance
Moynihan, Michael D.	Injury at Deer Island
Mugford, Bessie E.	Widening Bennington street
Muldoon, Miles	Grading Clinton place
Muldoon, Susan W.	do.
Mulhern, John	Injury in street
Mullen, Patrick	do.
Munier, Isabella	Sewer nuisance
Munn, Isabelle	Grading Lauriat avenue
Murch, Annie B.	Injury in street
Murdy, John H.	Sewer nuisance
Murnaghan, James E.	Injury in street
Murphy, Ambrose L.	Laying out Laconia street
Murphy, Annie	Injury in street
Murphy, Annie G.	Sewer nuisance
Murphy, Elizabeth C.	Injury in street
Murphy, Francis	Sewer nuisance
Murphy, Hannah E.	Injury in street
Murphy, Margaret	Sewer nuisance
Murphy, Mary	Injury in street
Murphy, Mary A.	do.
Murphy, Mary J.	do.
Murphy, Michael H.	do.
Murphy, William	Injury in subway
Murray, Annie G.	Grading Quincy street
Murray, Annie M.	Grade damages
Murray, L. M.	Labor claim
Murray, Patrick	Injury in street
Myers, Dora	do.
Nally, Elizabeth	do.
National Construction Co.	Delaying work on sewer
Nay, Mary J.	Injury in street
Neas, John H.	do.
Nelson, Andrew N.	Sewer nuisance
Nelson, John S.	do.
Nelson, Vincent P.	do.
Nestor, James	do.
Newby, Mary J.	Widening Bennington street
Newby, Thos. H.	do.
New England R.R. Co.	Columbia road taking
Same	Timbering tracks
New England Theosophical Corp.	Tax
Same	do.
Newhall, Maria L.	Sewer assessment
Newman, Harry	Injury in street
Nickerson, A. Eugenia	Street assessment
Nickerson, Amelia F.	do.

Names.	Cause of action.
Nickerson, Amelia F.	Street assessment
Nicodemo, Biozzo	Injury in street
Noble, Mary	Sewer nuisance
Noble, William	do.
Nolan, Mary F.	Grade damages
Noonan, Daniel P.	Widening Bennington street
Noonan, Mary	Injury in street
Noonan, Maurice	Injury on vessel
Norcross, Nellie A.	Injury in street
North Packing & Provision Co.	Damage to team
Nowry, Leontine	Injury in street
Nowland, Kate	do.
Noyes, Annie J., Adm'x	Sewer nuisance
Same	do.
Noyes, Sarah R.	
Nugent, M. Edith	Sewer nuisance
Oakleaf, John	do.
Oates, Ida May	do.
O'Brien, Anna	Injury in street
O'Brien, James	do.
O'Brien, Margaret	Damage by water
O'Brien, Martha	Injury in street
O'Brien, Mary E.	Betterment Gaylord street
O'Brien, Thomas	Injury in street
O'Callaghan, Julia	Sewer nuisance
Ockershauser, Fred	Injury in street
O'Connell, Alice	Sewer nuisance
O'Connell, Dennis F.	Labor claim
O'Connell, George	Sewer nuisance
O'Connell, James H.	do.
O'Connell, Mary	do.
O'Connell, Patrick J.	Injury in street
O'Connell, William	Sewer nuisance
O'Conner, Elizabeth	do.
O'Connor, Catherine	do.
O'Connor, Ellen	Sewer nuisance
O'Connor, John F.	do.
O'Connor, John	Grade damages
Same	Injury in street
O'Connor, Margaret	Sewer nuisance
O'Connor, Michael J.	do.
Same	do.
O'Connor, Sarah A.	do.
O'Donnell, Mary	do.
O'Donnell, Mary C.	Widening Bennington street
O'Donnell, Samuel E.	Injury at ferry
O'Driscoll, Catherine	Sewer nuisance
O'Flaherty, Daniel D.	do.
O'Hanlon, Elizabeth	Injury in street
O'Hara, John M.	Injury to house
Same	do.
O'Hara, Thomas	Injury in street
Old Colony R.R. Co.	Grade crossing
O'Meara, Stephen	Betterment Brighton avenue
Orieg, Aaron	Sewer nuisance
O'Riordan, Patrick	Grade damage, South Boston
Same	Grade Chelsea street
Orr, William	Injury in street
Osborn, Francis A.	Laying out Blandford street
Osgood, Abraham	Grading Lauriat avenue
Owens, Daniel	Injury in street
Packard, John D.	Betterment Brighton avenue
Packard, Susan A.	Injury in street
Page, Kilby	Assessment for Huntington avenue
Palfrey, Mary	Sewer nuisance
Paolo, Nicolo	Labor claim
Park Street Congregational Society.	Sewer tax
Parmenter, Francise	Injury in street
Parthei-Muller, Mary D.	Sewer nuisance
Pavitt, Frank W.	Injury in street

Names.	Cause of action.
Payn, Fanny	Sewer nuisance
Payn, James W.	do.
Payne, James B.	do.
Payson, Edith B.	do.
Payson, Florence M.	do.
Payson, Mary	do.
Payson, Perley B.	Injury to horse
Paxon, Edward M., receiver	Grading Chelsea bridge avenue
Peasley, Alonzo A.	Laying out West Selden street
Pelly, Elizabeth	Injury at ferry
Penny, Annie	Sewer nuisance
Perkins, Charles H.	Laying out Normandy street
Perkins, Charles W.	Discharge of veteran
Peters, Andrew J.	Park betterment
Same	do.
Peterson, Carlo	Sewer nuisance
Phee, William	do.
Pierpont, Margaret	Injury in street
Pike, Arthur	Injury at ferry
Pillsbury, Charles J.	Street assessment
Same	do.
Pinciari, Philippo	Labor claim
Pitman, James	Sewer nuisance
Plociennisk, Wojcieh	Grade damage, South Boston
Plummer, Emma Z.	Injury in street
Plunkett, Bernard	Sewer nuisance
Plympton, Mary R.	Widening Cambridge street
Pool, Sarah B.	Sewer taking
Porter, Bridget	Grading Endicott street
Power, Edgar L.	Widening Bennington street
Powers, Catherine	Injury in street
Powse, Tomasina	Sewer nuisance
Pratt, Isaac, Jr.	Betterment Brighton avenue
Pray, John A.	Betterment Harrison avenue
Pray, John H.	Rugs
Preble, Myrick	Injury in street
Same vs. Dr. F. S. Watson	Injury at hospital
Price, James	Sewer nuisance
Profit, Elthia	Injury in street
Purcell, Ellen	Sewer nuisance
Purcell, James J.	do.
Quigley, Margaret	do.
Quimby, Benj. F.	Balance on contract
Quinn, Bridget T.	Sewer nuisance
Quinn, Richard	Sewer nuisance
Rand, Annie	Injury in street
Randall, Herbert F.	Sewer nuisance
Ranura, Domenico	Labor claim
Rapucci, Congeta	Sewer nuisance
Rapucci, Jennie	do.
Rapucci, Michael	do.
Ratigan, Annie M.	Injury on bathing beach
Ratigan, Lena M.	do.
Ratshesky, Israel	Widening Charlestown street
Reardon, Catherine	Sewer nuisance
Reardon, John J.	do.
Reardon, Mary	Injury in street
Regan, Edward	Sewer taking
Reidy, Honora	Sewer nuisance
Reilly, Bridget	do.
Reilly, K. S.	do.
Reisert, Anna M.	do.
Remalovsky, Harry	do.
Rice, Esther J.	Injury in street
Ridlon, Franklin	Widening Charlestown street
Riggs, Ida	Sewer nuisance
Riley, James	Injury in street
Ring, Catherine	Grading Seneca street
Ripley, Charles	Relocating Hancock street
Ritchie, Mary	

Names.	Cause of action.
Roakes, Catherine	Injury in street
Robinson, Frank B.	Injury at ferry
Robinson, Herbert	Drainage by blast
Rock, Michael	Sewer nuisance
Rogerson, John A.	do.
Same, Adm'r	do.
Rooney, Johanna	Widening North Harvard street
Same	do.
Ropes, John C.	Restricting building
Rose, Delia C.	Sewer nuisance
Rose, Manuel	do.
Roswell, Beatrice C.	Injury in street
Rotch, Clara M.	Playground taking
Rothwell, James	Sewer nuisance
Rowan, Louisa	Injury in street
Roxbury, Central Wharf Co.	Relocating Boylston street
Roy, Alice M.	Injury in street
Royal, Annie	do.
Ruhl, Elizabeth	do.
Ryan, Ellen F.	Sewer nuisance
Ryan, John	do.
Ryan, Mary	Injury in street
Ryan, Michael J.	Sewer nuisance
Same	do.
Ryder, Sadie E.	do.
Ryder, William F.	Widening Bennington street
Ryley, Maria J.	Sewer nuisance
Ryley, Mary E.	do.
Rymill, Geo. H.	Widening Bennington street
Safe Deposit Trust Co. of Baltimore	Playground taking
Safford, Nathaniel M.	
Sapmson, Elizabeth E.	Sewer nuisance
Sallaway, Anna M.	do.
Same	Widening Bennington street
Sanford, Helen G. H.	Injury in street
Sanford, Martha P.	Widening Blue Hill avenue
Sansted, Marie J. vs. F. G. Hagopian	Assault at hospital
Sargent, Chas. H.	Injury by gas explosion
Sargent, Horace B.	Columbus avenue extension
Saunders, Lazarus	Overflow of catch-basin
Schneider, Eliza	Sewer nuisance
Schraft, Wm. F.	Widening Charlestown street
Scigliano, Gennaro	Sewer nuisance
Scott, Andrew C.	Pay as fireman
Scully, Alvin H.	Sewer nuisance
Scully, Martin	
Seager, David C.	Widening North Harvard street
Seaman, Harry vs. Dr. Burrell	Injury at hospital
Security Safe Deposit Co.	Sewer nuisance
Semanovsky, Sarah	Injury in street
Sewall, Geo. P.	Widening Alfred street
Sexton, Annie	Sewer nuisance
Sexton, John H.	do.
Shafer, Jacob	do.
Shanahan, Edward	do.
Shanahan, Mary C.	do.
Shapiro, Oscar	do.
Shapiro, Rose	do.
Shattuck, America	Injury in street to wife
Shattuck, Mary	Injury in street
Shaw, Edw. P., Treas.	Pauper aid
Sheehan, Bridget	Widening Bennington street
Same	do.
Same	do.
Sheehan, Daniel	Sewer nuisance
Sheffield, James	Grading Fairview street
Same	Trespass
Sheffield, Thomas	Sewer nuisance
Shepard, Otis	Columbia road taking
Sheridan, Francis	Sewer nuisance

Names.	Cause of action.
Sheridan, Jane	Sewer nuisance
Sheridan, Mary	do.
Shlager, Henry	do.
Shlager, Samuel	do.
Shorely, Albert E.	Injury in street
Sibley, Emma D., Adm'x	Injury gas explosion
Simington, Collins G.	Sewer nuisance
Simoli, Nicolo	Labor claim
Simonds, Fred E	Widening Cambridge street
Skrocki, Wladislaus	Injury in subway
Sliney, Maria	Injury in street
Smith, Albert P.	Widening Bennington street
Smith, Daniel	Sewer nuisance
Smith, Emma	do.
Smith, Mary A.	do.
Smith, Mary J.	do.
Snider, John J.	do.
Snider, Mary	do.
Sommer, Bernard	Damage by water
South Bay Co.	Grade damages, South Boston
South Bay Improvement Co.	do.
Same	do.
Spooner, Caroline E.	Relocating Perkins street
Stanley, Geo. C.	Injury in street
Stanley, James C.	do.
Star Brewing Co.	Sewer taking
Stark, James H.	do.
Same	do.
Same	Playground taking
Same	do.
Same	Extending Shepton street
Same	Sewer assessment
Same	Street watering assessment
St. Clair, Edwin L.	Injury in street
St. Clair, Marie A.	do.
St. Luke's Church	Betterment Brighton avenue
Steele, Mary E.	Sewer nuisance
Stevens, Alexander H.	Widening Charlestown street
Stevenson, Jane	Sewer nuisance
Stevenson, Wm. M.	do.
Stewart, John A.	Injury to horse
Stewart, Maggie	Injury in street
Stillings, Sara E. G.	Laying out Cummington street
Stockdale, James	Sewer nuisance
Stone, Goldie	do.
Stone, Jacob	do.
Stone, Joseph	Laying out Alford street
Stone, Lena	Sewer nuisance
Storrow, James J.	Tax
Strong, John M.	Sewer nuisance
Strong, Virginia	do.
Stroud, Fanny	Injury in street
Sullivan, Catherine	Sewer nuisance
Sullivan, Dennis	Injury in street
Sullivan, Ellen	do.
Sullivan, John	Injury in subway
Same	do.
Sullivan, Margaret	Sewer nuisance
Sullivan, Mary	Widening North Harvard street
Sullivan, Mary A.	Injury in street
Sullivan, Michael	Sewer nuisance
Same	do.
Sullivan, Michael J.	do.
Swarz, Harris	Injury in street
Swasey, French	do.
Sweeney, Cornelius J.	do.
Sweeney, Julia A.	Sewer nuisance
Sweet, Wm. A.	Taking Church-street district
Swift, Lena B.	Injury in street
Swift, Maggie	Betterment Brighton avenue

Names.	Cause of action.
Taylor, Adella C.	Injury in street
Temple, Thos. F.	Widening West Selden street
Same	do.
Same	do.
Tenney, Michael	Injury at ferry
Terry, Hattie	Injury in street
Thayer, Charles E.	Tax
Thayer, Wm. H.	Columbia road taking
Thomson, James D.	Widening Woodcliff street
Thornton, Albert	Sewer nuisance
Thornton, Catherine	do.
Thurston, George	do.
Timmins, Arthur	Betterment Brighton avenue
Tinglof, August	Taking for street
Tirrell, Jesse	Betterment Brighton avenue
Tirrell, John E.	Injury to horse
Tirrell Laura F.	Injury on street
Tobey, Gerard C.	Park taking, Dorchester
Same	Columbia road taking
Same	do.
Tobin, William	Widening Perkins street
Toland, Cornelius H.	
Toomey, Ellen	Sewer nuisance
Toomey, Michael J.	Injury in street
Torrey, Wm. M.	Damage to team
Troy, Catherine	Injury in street
Tufts College	Investment of trust funds
Same	do.
Same	do.
Tufts, Eunice A.	Sewer taking
Turcotte, Matilda	Widening Bennington street
Turner, Charles E.	do.
Turner, Edward	do.
Turner, Rose E.	do.
Tweed, Celia R.	
Tyndale, Theodore H.	Sewer nuisance
Ufford Chas. A.	Street watering assessment
Vanderwoort, Wm.	Widening Morton st.
Vollintine, Caroline A.	Sewer taking
Vose, Chas. E.	Widening North Harvard street
Wade, Margaret	Injury at ferry
Wagstaff, Fred S.	Park taking.
Wakeham, Wm. H.	Sewer nuisance
Walehan, Mary	Injury in street
Wales, Augusta A.	Sewer nuisance
Walker, John	Damage by blast
Walsh, John F.	Sewer nuisance
Walsh, Mary	do.
Walworth Mfg. Co.	do.
Ward, Geo. A.	Laying out Congress st.
Ward, Thomas	Grading Boston street.
Warnock, John	Injury in street
Warr, John	do.
Warr, Mary	Sewer nuisance
Warren, Isaac W.	do.
Warren, Winslow	Injury in street
Same	Laying out Worthington street
Wasgatt, Emma J.	Huntington avenue assessment
Waugh, Sarah	Injury in street
Same	Commonwealth avenue assessment
Same	do.
Weatherbee, Carrie E.	do.
Webber, Constant	Sewer nuisance
Webster, Ellen	do.
Webster, Geo. A.	Widening Bennington street
Weir, Mary E.	Sewer nuisance
Welch, Edwd. J.	Injury in street
Welch, Francis C	do.
Same	Sewer assessment
Same	Grade damages, South Boston
	do.

Names.	Cause of action.
Welch, Francis C.	Grade damages, South Boston
Same	do.
Same	do.
Same	do.
Same	do.
Same	do.
Same	do.
Welch, Patrick	Widening Tremont street
Welch, Ellen	Sewer nuisance
Welsh, John H.	do.
Welsh, Nellie F.	do.
Welsh, Patrick	Injury by blast
Welsh, Thomas	Relocating Lauriat avenue
Wentworth, Arioch	Widening Charlestown street
West End Street Railway Co.	Huntington avenue assessment
Westlake, Wm. H.	Sewer nuisance
Whalen, Hannah L.	Injury in street
Wheatland, George	Betterment Brighton avenue
Whipple, J. Reed.	Damage by water
Whitcomb, Frank L.	Widening Cambridge street
Same	do.
White, Francis L.	Work on excavation
Same	Obstructing drain
White, Fred	Injury in street
White, Fred J.	Park taking
White, Georgie J.	Obstructing drain
White, Julia	Widening North Harvard street
White, Mary	Sewer nuisance
White, Michael	do.
White, Nellie	do.
Whiten, Samuel	do.
Whitlock, James N.	Injury in street
Whittemore, Alice C.	Damage to team
Whittemore, John A.	Balance on contract
Same	do.
Whittemore, Willard P.	Sewer taking
Whittington, Margaret	Sewer nuisance
Wickley, Annie	do.
Wiggin, Clara F.	Injury in street
Wiley, Wm. O.	Taking for bridge
Wilkes, Emily	Injury in street
Wilkins, Walter	Betterment Brighton avenue
Wilkins, Walter L.	Injury in street
Willard, Sumner P.	Playground taking
Same	do.
Williams, Henry B.	Restrictions on building
Williams, Henry D.	Playground taking
Williams, Isabella H.	Widening Charlestown street -
Williams, Margaret	Sewer nuisance
Williams Margaret B.	Betterment Brighton avenue
Williams, Moses	Sewer taking
Willis, Ellen E.	Widening North Harvard street
Wilson, Geo. A.	Betterment Brighton avenue
Same	Widening North Harvard street
Wilson, Margaret	Injury in street
Winchester, Wm. R. vs. Herbert Howe <i>et al.</i>	Award for land
Wingate, James I.	Betterment Brighton avenue
Wise, Henry	Sewer nuisance
Wise, Leo	do.
Witherill, John H.	Betterment Brighton avenue
Witt, Geo. H.	Obstructing brook
Wittekind, Emma	Injury in street
Wittekind, Louisa	do.
Wolcott, Anna F.	do.
Wolf, Herman	Injury to horse
Wood, Elizabeth	Sewer nuisance
Wood, Fanny	do.
Woodell, Samuel	do.
Woodhead, Harriet	do.

Names.	Cause of action.
Woods, John E.	Widening North Harvard street
Same	do.
Woods, Kate M.	do.
Same	do.
Woodward, James W.	Restriction of labor under contract
Woodward, Marion L.	Sewer taking
Worcester, Mary	Proceeds of tax sale
Worster, Annie E.	Columbia road taking
Wray, William	Injury in street
Wright, Marshal G.	do.
Young, Elizabeth A.	Sewer nuisance
Young, Jessie	Damage by water
Young, Mary E.	Widening North Harvard street
Zarella, Pasquale	Widening Charlestown street
Ziegler, Alfred	Stony brook improvement
Same	do.
Zielinger, Charles	Widening Bennington street
Zimmer, Alexine	Sewer nuisance
Zirnth, Bertha	Injury in street
Zwicker, Cassia A.	do.

PROPERTY OF THE DEPARTMENT.

The property of the Department, consisting of law reports, books of reference and the ordinary supplies of a lawyer's office, remains the same as last year except for the addition of a few law reports and text-books.

OFFICERS OF THE DEPARTMENT.

Andrew J. Bailey, *Corporation Counsel*.
 Thomas M. Babson, *City Solicitor*.
 Samuel H. Hudson, *Assistant Solicitor*.
 Samuel M. Child, *Assistant Solicitor*.
 Arthur L. Spring, *Assistant Solicitor*.
 Philip Nichols, *Assistant Solicitor*.
 Charles F. Day, *Conveyancer*.
 Roscoe P. Owen, *Conveyancer*.
 Elizabeth M. Taylor, *Conveyancer*.
 Lyman H. Bigelow, *Legislative Clerk*.
 Fisher Ames, *Secretary*.

Respectfully submitted,

ANDREW J. BAILEY,
Corporation Counsel.

THOMAS M. BABSON,
City Solicitor.



ANNUAL REPORT
OF THE
LIBRARY DEPARTMENT
FOR THE YEAR 1900.

TO HIS HONOR THOMAS N. HART,
Mayor of the City of Boston:

The Trustees of the Public Library of the City of Boston present the following report of its condition for the year ending January 31, 1901. It is the forty-ninth annual report.

The Rev. Dr. James DeNormandie was reappointed a Trustee, to serve for five years from May 1, 1900. The board was organized in May, 1900, by the election of Mr. Lincoln as President and Dr. DeNormandie as Vice President. Miss Della Jean Deery was elected Clerk of the Corporation.

The history of the Library for the past year is as usual one of constant growth and expansion, of its agencies for the delivery of books, of the number of its books and manuscripts and of their use. It now maintains eighty-seven agencies, an increase of fifteen over the number existing on January 31, 1900. Notwithstanding this large increase, applications for more branch libraries and delivery stations are continually presented to the Trustees, many, if not all, of which are meritorious. It needs scarcely to be pointed out, however, that the means at the command of the Trustees are not sufficient for any important expansion of

the system, nor are means for such expansion included in the yearly estimates of the Trustees, which provide for the maintenance of the system as it exists. If additional reading rooms, deposit or delivery stations are needed, additional means to establish such must be furnished, and these again, when established, demand additional appropriations for their maintenance.

The need of new buildings for the branch libraries at Charlestown and East Boston has often been stated and it becomes daily more pressing. The sum of \$30,000 has been appropriated by the City to provide a branch library at Charlestown, but no suitable site has yet been found.

The following tables exhibit briefly the financial condition of the Library:

EXPENDITURES.

For salaries	\$179,438 25	
Books and photographs	35,287 39	
Periodicals	5,602 79	
Newspapers	2,108 30	
General maintenance	86,749 61	
		\$309,186 34

RECEIPTS.

City appropriation	\$290,766 10	
Income from Trust funds	14,648 26	
Miscellaneous sources: gifts, including cash on deposit in London, etc., etc.	3,771 98	
		\$309,186 34

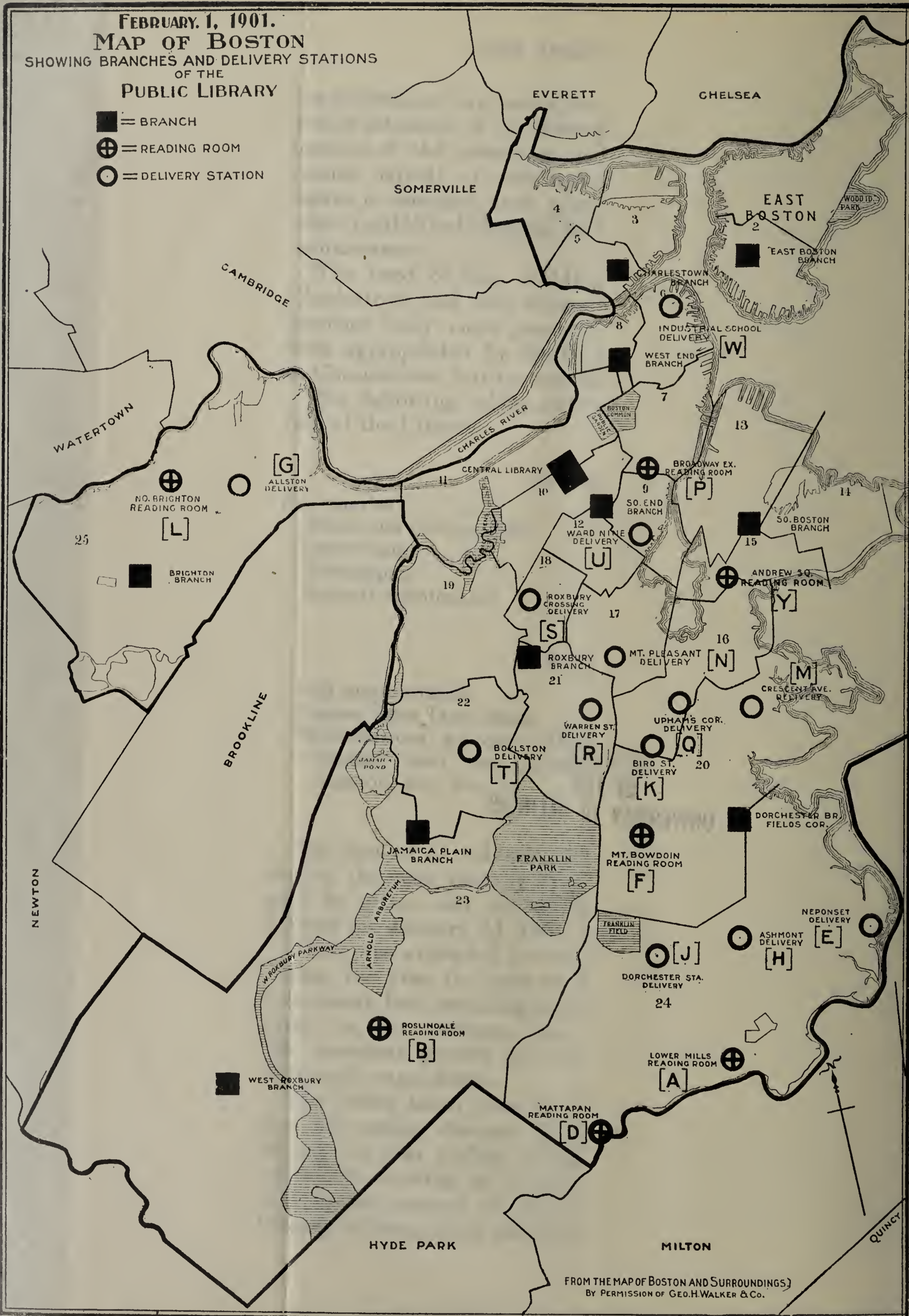
The number of volumes in the Library has been increased during the past year by 37,179, in part by purchase and in part by gifts; and the whole number of volumes in the Library on January 31, 1901, was 781,377.

There was expended for books, periodicals and newspapers during the year the sum of \$42,998.48, an amount larger than usual, but including some exceptionally large expenditures, as, for instance, for Charlestown and Roslindale. The constant growth of the branch stations necessitates additional expenditure.

The books taken from the Library for home use during the year ending January 31, 1900, numbered 1,251,541,—during the year ending January 31, 1901, the number was 1,324,728, showing an increase of 73,187. It is impossible to keep an account of the number of books used in the Library building, since many are exposed to unrestricted use.

FEBRUARY 1, 1901.
MAP OF BOSTON
 SHOWING BRANCHES AND DELIVERY STATIONS
 OF THE
PUBLIC LIBRARY

- = BRANCH
- ⊕ = READING ROOM
- = DELIVERY STATION



FROM THE MAP OF BOSTON AND SURROUNDINGS.)
 BY PERMISSION OF GEO. H. WALKER & CO.

The Department of Manuscripts, organized during the preceding year, has received very considerable accessions of much value, largely from gifts, the most notable being the bequest of Judge Chamberlain's manuscripts and autographs, which, since his death, have come into the final possession of the Library. A brief description of these, in pamphlet form, was published by the Trustees in 1897. This department is made the subject of a special report by Mr. Ford, who has it in charge. His report is incorporated with that of the Librarian. The manuscripts purchased have been chiefly provided from the income of trust funds. The Trustees have in view especially the acquisition of manuscripts of local interest to the City, and some of them have been reprinted in the Monthly Bulletin of the Library.

The Statistical Department, also under the charge of Mr. Ford, has been largely increased, both by the withdrawal of books from the general Library, which find a more appropriate place in this department, and especially by considerable gifts of public documents from states and municipalities, including many received from foreign sources. The department has fully justified its existence and furnishes much assistance to the student of the complex problems of government and public administration which develop on every side.

Of the Cataloguing Department it is enough to say that it continually gains in the race toward completion, though, from the nature of the subject, it can never keep quite abreast of the constant accessions of books.

The constant growth in the use of the Library is especially noticeable in the increase of the branch libraries and other subordinate stations and in the increase in the use of the books there accessible. These branches are a most important part of the Library system, and bring its advantages near to those to whom it would otherwise prove practically inaccessible.

The officers of the Library constantly employ all reasonable means to make its resources available.

Exhibitions of photographs and engravings, constantly renewed and changed, and having reference to subjects of immediate interest, are maintained at the Central Library and branches.

The Library coöperates with the public schools by selecting and collecting books relating to subjects immediately under instruction.

The Trustees have also endeavored to interest the public in a series of lectures—this year upon municipal govern-

ment, given in the Lecture Room of the Library. The lectures are given gratuitously by the lecturers.

The Trustees call attention again to the fact that, while they publish much matter relating to the Library which is of public interest and distinctly valuable, yet all such publications entail upon them a loss. The Library bears the expense of the publication, and the proceeds of all sales go directly to the City Treasury, without benefit to the Library. In like manner the Library bears the expense of collecting fines while the fines collected are paid into the City Treasury, but not to the credit of the Library. It seems reasonable that moneys thus obtained, amounting to a profit of several thousand dollars to the City, should be applied to the benefit of the source from which they are derived. Fines represent largely injury to books, and the money thus derived should be available to replace this loss. The Examining Committee concur in this opinion.

This matter is again called to the attention of the City Government because a special appropriation for rebinding volumes is again needed. Last year the Trustees received an appropriation of \$10,000 for this purpose, and a like or greater sum is needed for this year and next. For several years it has proved impossible to provide all the rebinding needed from the annual appropriation, and the ordinary wear of the books was increased when they were removed to the new Library and were rearranged.

The Trustees gratefully acknowledge the assistance rendered by the Examining Committee of this year. It was constituted as follows :

William F. Apthorp.
 Thomas M. Babson.
 Mrs. Mary E. Blake.
 Alfred Bowditch.
 Francis H. Brown, M.D.
 Very Rev. William Byrne.
 John H. Colby.
 Mrs. W. C. Collar.
 James C. Davis.
 Charles F. Donnelly.
 James W. Dunphy.
 Hon. J. D. Fallon.
 Thomas J. Gargan.
 Rev. G. A. Gordon, D.D.
 Francis L. Higginson.
 Rev. E. A. Horton.

Miss Sarah Orne Jewett.
 Rev. Robert F. Johnson.
 Frank S. Mason.
 John Noble.
 William L. Parker.
 George Putnam.
 Henry R. Reed.
 Rev. W. D. Roberts.
 Mrs. H. H. Sprague.
 Miss Frances Turner.
 D. B. Updike.
 Horace G. Wadlin.
 Mrs. Darwin E. Ware.
 Samuel Wells.
 Miss Maria E. Wood.

More than ordinary care appears to have been taken in the selection of the sub-committees and the recommendations of the Committee deserve and have received careful attention.

It appears that the Library can always rely on the generous and cheerful assistance of the best citizens whenever they are asked to render it service.

Gifts of books and manuscripts to the Library have been more numerous than heretofore, although, with the exception of the Chamberlain bequest, no single collection of great value has been added during the period covered by this report.

A bronze relief of Gen. Francis A. Walker has been placed in the inner court. The Elliott decorative ceiling of the room adjacent to the Children's Room was completed since February 1, and will be referred to in the next report.

The Trustees would welcome bequests of money, and hope that generous testators may remember the Library. It is from such sources that they can make purchases of rare works, which give value and rank to a great library, but for which they hesitate to expend public funds appropriated for more popular use.

The Trustees ask especial attention to the report of the Librarian, the subordinate reports, and that of the Examining Committee. These contain matter both of general interest and of detail which do not find appropriate place in this general report.

SOLOMON LINCOLN,
President.

JAMES DE NORMANDIE,
Vice President.

JOSIAH H. BENTON, JR.,
HENRY P. BOWDITCH,
THOMAS DWIGHT.

MAY 3, 1901.

LIBRARIAN'S REPORT.

To the Board of Trustees :

The report of the Librarian for the year ending January 31, 1901, is respectfully submitted.

THE LIBRARY SYSTEM.

The Library System comprises :

The Central Library, on Copley Square.

Ten branch libraries, with permanent collections of books.

Twenty delivery stations, of which seven are reading rooms, four service stations and nine shop stations.

Twenty-nine engine houses, receiving books on deposit.

Twenty-one schools (eleven supplied from the Central Library and ten from the branches).

Six institutions receiving deposits of books.

A total of eighty-seven agencies, as against seventy-two on February 1, 1900.

FINANCE.

Details as to the receipts and payments for the year are given in the statement of the Auditor (Appendix I. of this report).

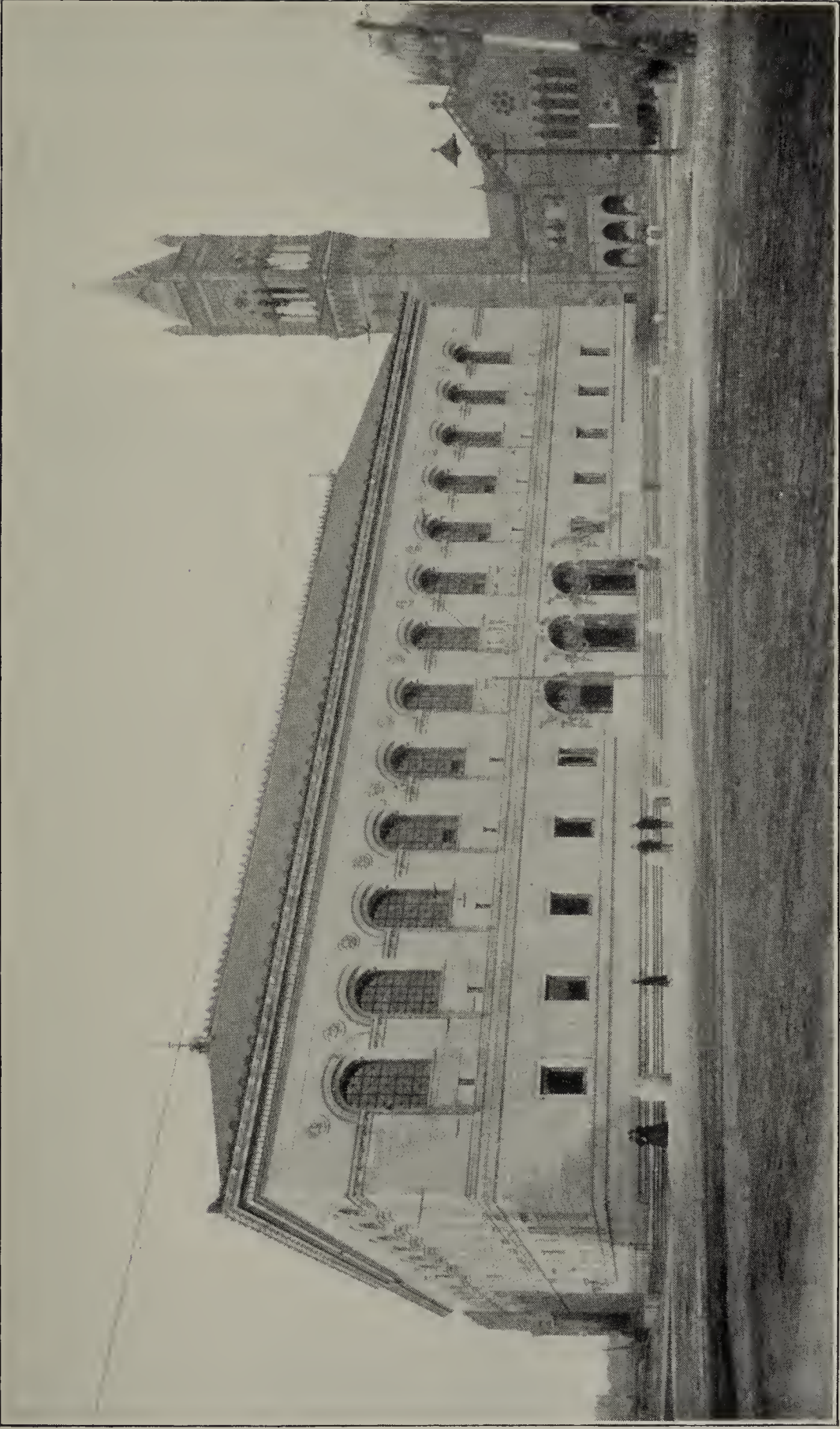
The financial condition of the Library for 1900-1901, briefly exhibited, is as follows:

ENDOWMENTS.

Endowments	\$226,150 00
Income	9,723 50
Todd newspaper fund	50,000 00
Income	2,000 00

The only addition to the endowments of the Library the past year has been the sum of \$6,000, received June 25, 1900, in a legacy of the late Daniel Sharp Ford, publisher of the "Youth's Companion." By a vote of the Trustees, the income, until otherwise ordered, will be devoted to the purchase of books adapted to youth.

The will of the late Abram E. Cutter of Charlestown gives and bequeaths to the Library the sum of \$4,000. Also



CENTRAL LIBRARY BUILDING, COPLEY SQUARE.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

his library of books, subject to a life interest for his widow. This will was probated June 7, 1900.

GROSS INCOME AND EXPENDITURE.

Gross Income.—The gross income of the Library from all sources, including balances February 1, 1900, except special appropriations, was as follows:

General appropriation	.	.	.	.	.	\$290,766	10
Trust funds:							
Income in the hands of the City Treasurer	.					17,847	39
Miscellaneous gifts	.	.	.	.	.	578	03
Exchange account	.	.	.	.	.	1,853	75
Interest on bank deposit	.	.	.	.	.	1,739	78
London accounts:							
Trust funds	.	.	.	.	\$10,579	13	
General book funds	.	.	.	.	11,033	97	
Interest on the above	.	.	.	.	455	09	
						22,068	19
						<u>\$334,853</u>	<u>24</u>

<i>Expenditure.</i> —From general income	.	.	.	.	\$290,766	10
From trust funds income (including Todd Fund)					14,648	26
From general book fund	.	.	.	.	3,467	22
From miscellaneous gifts	.	.	.	.	304	76
					<u>\$309,186</u>	<u>34</u>

A nominal balance on February 1, 1901, would appear as \$25,666.90. This is, however, subject to outstanding obligations and in part to special restrictions. The available balance is but \$13,860.06, made up as follows:

Applicable to books, as follows:

Trust funds income: nominal balance	.	.	.	.	\$14,040	74
Less outstanding orders and necessary reserve for continuations	.	.	.	.	9,838	25
					<u>\$4,202</u>	<u>49</u>
General book funds	.	.	.	.	\$7,759	36
Less outstanding orders	.	.	.	.	1,968	59
					<u>5,790</u>	<u>77</u>
Exchange account	.	.	.	.	1,853	75
Interest: domestic account	.	.	.	.	1,739	78
Cash donations: balances on hand	.	.	.	.	273	27
					<u>\$13,860</u>	<u>06</u>

It is to be observed further that the bulk of the above available balance is composed of funds applicable only to the purchase of books, and to a great extent of funds which must be reserved for the purchase of books of a very special character.

SPECIAL APPROPRIATIONS.

<i>Building Appropriation.</i> — Copley square building; balance February 1, 1900				\$85,434 70
Expenditures, 1900-1901				8,606 76
Balance				\$76,827 94
Against which are contracts, for paintings, statuary, etc., amounting to				80,975 00
Indicating a deficit of				\$4,147 06

to be met by application of the balance of the Furnishing appropriation so far as necessary.

<i>Furnishing Appropriation.</i> — Copley square building; balance February 1, 1901				\$4,821 81
<i>Broadway Extension Improvement Appropriation.</i> — Balance February 1, 1900				\$3,010 92
Expenditures, 1900-1901				435 23
				<u>\$2,575 69</u>

BUILDINGS, EQUIPMENT, AND GENERAL ADMINISTRATION.

Extensive repairs upon the Library building have been found necessary. The tile roof has been put in order and all the joints have been newly cemented. The joints in the walls have been repointed. The court-yard walls in the basement have been made water-tight. The iron work outside the building has been put in order. The public lavatories have been moved from the front to the rear of the building. The engines and electrical machinery call for considerable expenditure yearly for repairs. These and the elevators are inspected by experts at stated intervals.

WORKS OF ART.

The John Elliott Decoration. — In the year 1891 a letter was received by the Board of Trustees from Dr. Harold Williams, offering to raise a sum of money for the purpose of engaging Mr. John Elliott to decorate the ceiling of one



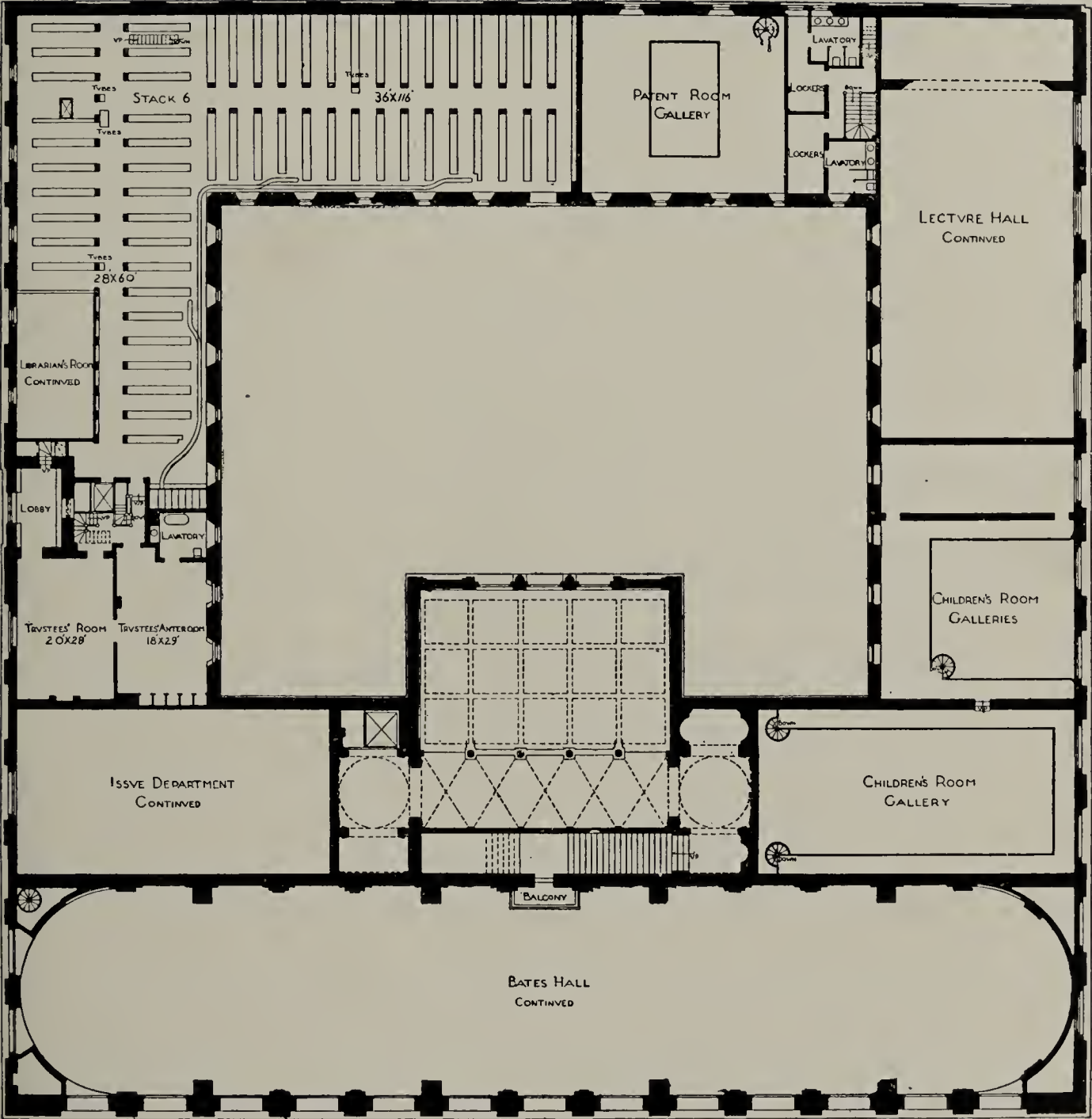
CENTRAL LIBRARY, GROUND FLOOR.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



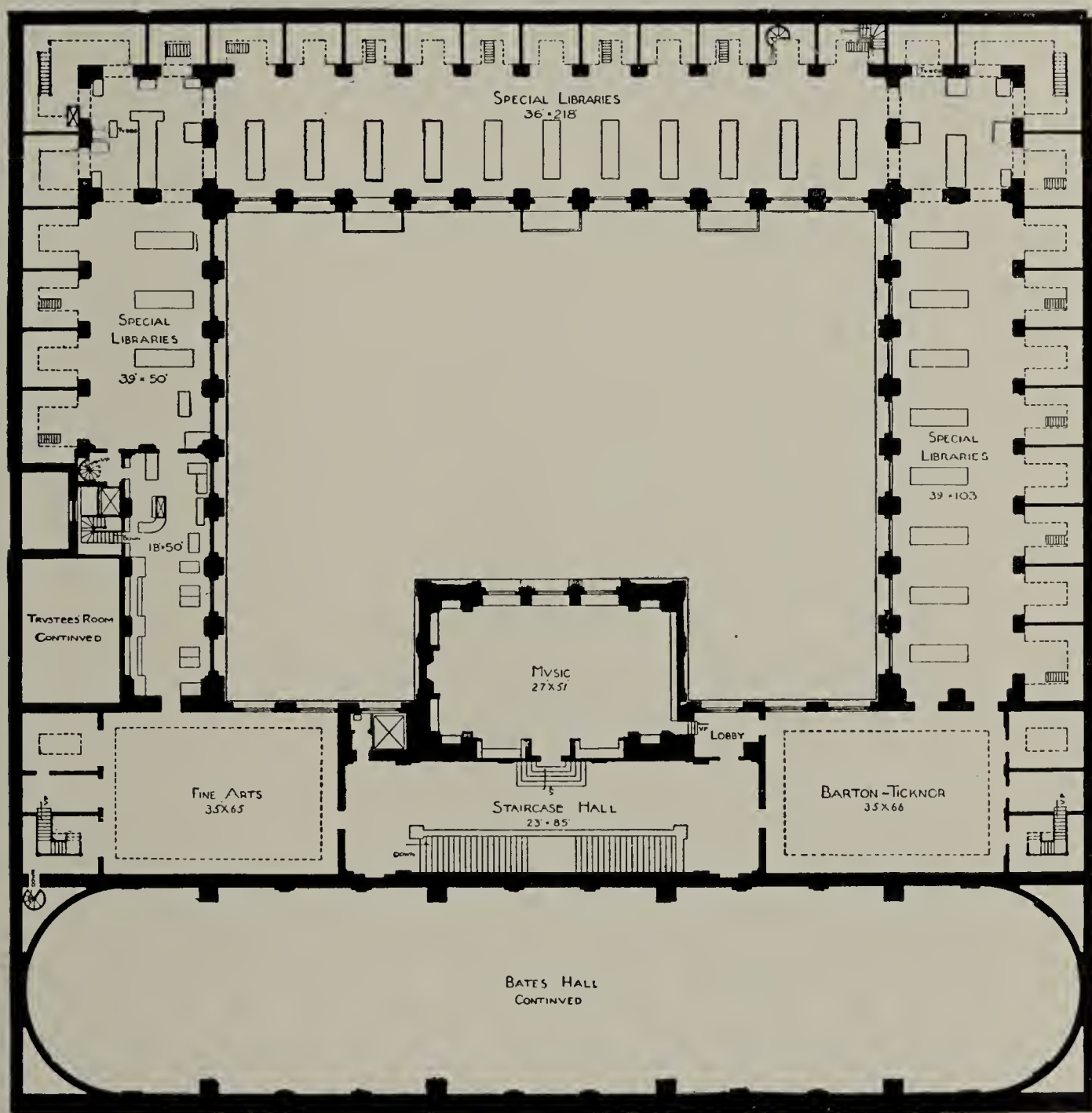
CENTRAL LIBRARY, SECOND FLOOR.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



CENTRAL LIBRARY, ENTRESOL B.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



CENTRAL LIBRARY, SPECIAL LIBRARIES FLOOR.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

of the rooms in the new Library building. This offer was accepted and, at a later time, Mr. Elliott's services were secured for the proposed decoration.

In the autumn of 1900 the finished work was received by the Library, and, after suitable frames had been prepared, the decoration was made public, on March 17, 1901. The Library is indebted to the following persons for the gift of these ceiling paintings and for a contribution of \$900 towards the expense of the frames: Miss Anna S. Amory, Mr. and Mrs. Larz Anderson, Miss Edith Andrew, Mr. and Mrs. Albert S. Bigelow, Mr. G. N. Black, Mrs. A. W. Blake, Mr. Stephen Bullard, Mrs. James B. Case, Mr. and Mrs. Charles P. Curtis, Mrs. O. B. Frothingham, Mrs. John L. Gardner, Miss Marion Gray, Mr. Joseph C. Hoppin, Mr. Henry M. Howe, Mrs. Julia Ward Howe, Mr. and Mrs. David P. Kimball, Mr. and Mrs. Charles G. Loring, Mr. George H. Norman, Mr. and Mrs. Charles S. Sargent, Mr. and Mrs. J. M. Sears, Mrs. G. H. Shaw, Mrs. W. H. Slocum, Mr. George Wales, Mr. and Mrs. Samuel D. Warren, Mr. and Mrs. Barrett Wendell, Dr. and Mrs. Harold Williams, Mr. Ralph B. Williams, and an anonymous subscriber. An allowance of \$1,000 for the frames was authorized by the City authorities.

A portrait of the Rev. Dr. James Freeman Clarke, painted by Edwin T. Billings, has been given to the Library by members of the Church of the Disciples, and others, through William Howell Reed.

BOOKS RECEIVED.

The following statements in regard to the accessions to the Library for the past year are taken from the report of Miss Macurdy, Chief of the Ordering and Receiving Department. These additions, as distinguished from the number of books which have actually reached the shelves (34,994), and excluding mere transfers from one department to another, number 37,179 volumes, as against 30,506 in the previous year. They are distributed as follows:

	Central Library Volumes.	Branches, Volumes.	Total Volumes.
Added by purchase	13,068	11,059	24,127
Added by gift	7,657	239	7,896
Added by exchange for Library publications, etc.	672	—	672
Added by periodicals, bound	2,200	—	2,200
Added by Statistical Department (Gifts)	2,284	—	2,284
Total	25,881	11,298	37,179

The number of volumes in the Library January 31, 1901, was 781,377.

Books bought for the Central Library :

	Volumes.
City appropriation	9,680
Trust funds	3,388
	13,068

Books bought for the branches :

City appropriation	9,696
Special appropriation	344
Fellowes Athenæum	1,019
	11,059
Total	24,127

The expenditure for books, periodicals and newspapers for the same period was \$42,998.48, as against \$33,048.97 the previous year. This does not include the following sums, namely, \$1,141.49 paid by the Fellowes Athenæum for books and periodicals purchased for the Roxbury Branch, and \$435.23 from a special appropriation for Station P.

The payments have been as follows :

City money expended for books :

	1900-1901.	1899-1900.
For Central Library (including deposit collection)	\$13,187 70	\$10,401 71
For branches	9,254 97	4,488 92
	\$22,442 67	\$14,890 63
Trust funds expended for books	12,539 96	10,367 39
	\$34,982 63	\$25,258 02
Trust funds expended for news- papers	2,108 30	1,970 38
	\$37,090 93	\$27,228 40
City money expended for periodicals :		
For Central Library	\$3,998 29	\$4,365 30
For branches	1,604 50	1,455 27
	\$5,602 79	\$5,820 57
	\$42,693 72	\$33,048 97
Total :		
City money	\$28,045 46	
Trust funds	14,648 26	
	\$42,693 72	

In addition to this amount purchases were made from the following special funds (gifts) :

Carnegie	\$86 14
Numismatic	88 97
Lewis	80 45
Hyams	28 74
Dunphy	3 46
Old South Society	15 00
Whiting	2 00
	\$304 76

The total amount spent for books, including the amounts paid by the Fellowes Athenæum and from the Station P fund mentioned above, for the year was \$44,575.20. Only twice in the history of the Library has this expenditure been equalled, once, in 1873, when the Barton library was bought, and again, in 1890, when purchases were made from the sale of the library of S. L. M. Barlow, the outlay in each case (about \$46,000) being met by funds especially provided for the purpose.

Among the large payments were \$1,430.60 for books for the Charlestown Branch; \$1,500 for books for the new Roslindale Reading Room; \$400 for books for the new Andrew Square Reading Room; and \$800 for books of reference for the branches. Of works of fiction 6,473 volumes were bought, at an expense of \$5,867.48. For the branch system the expenditure for books was about double that of the preceding year.

In the purchases made from Trust funds, broadsides, manuscripts and autograph documents have a prominent place. These are of both local and general interest, and relate to Colonial and Revolutionary events, and to Boston, Massachusetts, and New England history. Among purchases of special significance are an autograph letter of Captain Ezra Selden to Nathan Hale, the patriot, dated Roxbury Camp, June 25, 1775, and endorsed in Hale's handwriting; account books and letters relating to the Boston fires of 1760 and 1767, and to the losses and damages sustained by the Town of Boston from the British, 1775--1776; and twenty-three consecutive numbers of the Boston Gazette and Country Journal, 1762-3. Other manuscripts and documents are mentioned under Manuscripts later in this report.

For the special collections the following are among the additions made:

Bowditch Library. — Two hundred volumes of French and German mathematical and astronomical works.

Military Library (Twentieth regiment). — Eighty-seven volumes of regimental histories, etc.

Longfellow Memorial Collection. — Two hundred and fifty volumes have been bought from the income of the Artz fund, including the first edition of Philip Freneau's Poems (1786), Whittier's Mogg Megone, first edition (1836), Aldrich's Bells (1855), Col. Thomas Forrest's The Disappointment (1767), Tennyson's Poems (1842).

Fine Arts Collection. — The Library has received a copy of Tissot's La vie de Notre Seigneur Jésus Christ, in two

volumes, folio, a fine copy, together with the cheaper English edition of the same work, for general use. Also the following important works: Furtwängler's *Die antiken Gemmen*; *Chefs-d'oeuvre d'art de la Hongrie*; Berling's *Das Meissner Porzellan*; and Rossi's *Musaici cristiani*. The photographs added include 100 platinum prints of Normandy and Brittany and 1,100 photographs of Italy and Spain.

Maps. — To the Map Collection have been added 141 eighteenth century maps, chiefly of America, and numerous wall maps of Boston and vicinity, recently published for the use of the City and State officials. Also the *Theatrum orbis terrarum* by Ortelius (Antwerp, 1570), Halley's *Atlas maritimus* (London, 1728), Jefferys' *West India Atlas* (London, 1783), and Otten's *Atlas minor* (Amsterdam, 1740).

Charlotte Harris Collection. — From this fund have been obtained a copy of the earliest edition of Maximilianus Transylvanus, *De Moluccis*, Cologne, 1523, a rare tract on the discoveries of Magellan in the earliest circumnavigation of the globe; also Wigglesworth's *Meat out of the eater*, 1770, Brackenridge's *Death of General Montgomery*, 1777, and Worlidge's *Select collection of drawings from curious antique gems*, London, 1768.

Music Collection. — Schumann's *Werke* herausg. von Clara Schumann, in 33 volumes; *Paléographie musicale* (Imprimerie Bénédictine de Solesmes), 6 volumes.

Ticknor Library. — Camoens, *Pretidão de amor. Endechas*, . . . seguidas da respectiva traducção em varias linguas (Lisboa, 1893); and *Lapidario del Rey Alfonso X*.

Galatea Collection. — Eighty-three volumes, selected by T. W. Higginson (Carnegie fund).

Other purchases added to the general collection are as follows:

A collection of books obtained in Australia, chiefly in the Samoan language, also numerous books on discovery in New South Wales.

Important works on numismatics, including Herrera's *Medallas de proclamaciones y juras de los reyes de España* (Madrid, 1882).

Seventeen portraits of Benjamin Franklin.

Codex Borbonicus, manuscrit mexicain (Paris, 1899).

Segar's *Baronagium genealogicum*, continued by Edmondson (London, 1764-84), 6 volumes, folio.

Sappey's *Description et iconographie des vaisseaux lymphatiques considérés chez l'homme et les vertébrés* (Paris, 1885).

Nordisk familjebok (Stockholm, 1876-99) 20 volumes.

Revista de Cuba, 16 volumes.

Fuller Worthies' Library, edited by Alexander B. Grosart, eleven volumes, including the works of John Donne, Lord Brooke and Andrew Marvel.

Justinian. Codex et novellae, a product of the press of Giorgio Arrivabene, Venice, 1491. Two volumes. Folio, bound with examples of the contemporary Venetian printers.

The publications of the Imperial Statistical Bureau of Germany, 1873-93.

National Økonomisk Tidsskrift (København, 1873-1900).

Gifts of special importance are mentioned in an appendix to this report, together with a list of givers.

Besides books the following have been purchased :

1,310 photographs	100 manuscripts.
224 maps.	1,150 posters, and many
33 broadsides.	engravings.

AUCTION SALES.

The Library obtains a considerable part of its valuable additions from auction sales. Owing to great and increasing competition, the most valuable books are often secured by private buyers, whose bids far exceed any which the Library can afford to make. During the past year bids were sent, to thirty-four sales, for 1,007 books, of which only 486 were secured. Still, the net result justifies the time spent in the chase; every year some of the most notable accessions to the Library come from the auction room.

The purchases of the year have been fairly well distributed. If less attention than usual has been paid to certain classes of literature this defect will be remedied later.

A part of the work of the Ordering and Receiving Department is shown in the following table :

Book lists prepared (aggregating 14,977 titles),	44
Orders sent	505
Gift acknowledgments sent	1,562
Serials entered	29,422
Books received on approval	2,196
Exchanges packed and sent, volumes	922
Volumes distributed to Fiction Committee	698

THE RECOMMENDATION OF BOOKS.

The Library is indebted to many friends for suggestions as to books to be purchased. Mr. Thomas S. Perry, at present

in Japan, has recommended many French and German books, as heretofore. Dana P. Bartlett, Associate Professor of Mathematics at the Massachusetts Institute of Technology, has helped in the choice of a collection of mathematical and astronomical works for the Bowditch Library, and Col. T. W. Higginson has selected most of the books added to the Galatea Collection. Dr. Malcolm Storer has suggested the titles of desirable numismatical works; the President of a Boston Polish Society has made out a list of books in the Polish language, and Mr. A. S. Waldstein of Cambridge, one in the modern Hebrew language. Mr. William C. Lane, Librarian of Harvard College, has obtained in Egypt an interesting collection of photographs for this Library, and Mr. Charles R. Hildeburn, in his visits to out of the way places in England, has found valuable material illustrating the history and topography of that country. Arrangements have been made with Mr. Sidney C. Cockerell to search in England for illuminated manuscripts for the Library.

The Library must depend mainly on recommendations made by members of the staff, to whom book reviews and catalogues are assigned in the different departments of knowledge.

In order that the Library in its selection of books may not fall behind in any department suggestions are invited from friends. Blank recommendation forms can be obtained on application.

The total number of books read by the Fiction Committee was 683, as against 467 the preceding year. Of these, 346 were accepted by the Trustees, including 28 unfavorably reported on by the Committee, and 325 were rejected, including 76 favorably reported on. Of these books there were bought 3,191 copies, at a cost of \$2,750.68. This year, for the first time, children's books have been read by the Committee.

THE CHAMBERLAIN COLLECTION.

The Honorable Mellen Chamberlain, for twelve years the Librarian of the Boston Public Library, died on June 25, 1900. By the provisions of his will his collection of historical documents, manuscripts, autographs, portraits, engravings and books, which had been offered by him to the Trustees of the Library on February 14, 1893, for deposit here, on certain conditions, and which had been received September 4, 1893, became the property of this Library.

This collection, with other material retained by Judge Chamberlain during his life, will be kept in rooms especially arranged under his supervision.

Four years ago the Library published a brief description of this notable collection with a sketch of Judge Chamberlain. The manuscripts are being indexed under the direction of Mr. Worthington C. Ford of the Library staff.

THE CATALOGUE DEPARTMENT.

The Catalogue Department has been reorganized and strengthened. The report of Mr. Hunt, Chief of this department, shows the following results :

	1900-1901.	1899-1900.
Number of volumes and parts catalogued and recatalogued	61,817	47,782
Number of titles for the same	38,521	26,137

These totals include the following items :

Number of new volumes and parts, Central Library	20,304	22,878
Number of titles for the same	17,341	15,188
Number of volumes and parts recatalogued, Central Library	22,583	13,382
Number of titles for the same	11,641	4,225

Branches :

Number of volumes catalogued	9,948	7,100
Number of titles for the same	9,539	6,724
Number of volumes of serials added, Central Library	4,104	4,572

The titles of 10,317 books have been searched for, preliminary to their recommendation for purchase.

COÖPERATIVE INDEX.

Mr. Murdoch has catalogued 525 titles for the Coöperative index of scientific periodicals. The Library has received from the other co-workers, 2,743 titles.

CARDS IN THE VARIOUS CATALOGUES.

There have been printed, headings written for, and filed this year, 167,430 cards, as against 153,500 cards for the preceding year. Of this number 46,900 cards were placed in the Special Libraries, most of all in the Department of Documents and Statistics and the Allen A. Brown Library

of Music. When it is considered that the number of cards in 1899-1900 was 32,500 above any previous record and that this year 14,000 have been added to that number, it will be evident how great is the increase in this part of the work.

TRANSFERS.

The work of transferring from Stack 4 (the old Lower Hall collection) all the books not fiction has progressed rapidly, 5,197 volumes having been transferred during the year, accompanied by the recataloguing and clearing up of the card catalogue to correspond. About one-third of this work is finished.

PRINTING.

The work of printing the cards for the Allen A. Brown Library of Music has gone forward with more continuity than heretofore. The bulk of titles waiting for the printer has been reduced this year by about 4,000 cards, but not less than 1,000 cards have been added, and about 14,000 cards now remain to be printed.

The titles of new books have been added more promptly to the catalogue, and there is no accumulation of new cards. Nine thousand cards, however, representing recatalogued work, still wait to be printed. All this shows that the Catalogue Department is making "copy" faster than the Printing Department can take care of it.

THE BATES HALL CATALOGUE.

The work of changing the Bates Hall Catalogue from double rod to single rod drawers was begun in January. This task, which necessitates the trimming and repunching of the entire catalogue, and its transfer to other cases, will be a laborious one.

To relieve the crowded condition of the catalogue and provide for its further growth three new cabinets are building.

SPECIAL CATALOGUES.

Not much has been attempted outside the regular catalogue work; indeed, there has been no time to devote to such undertakings. Miss Rollins has prepared an Italian fiction list and worked to some extent on a German fiction list.

PUBLICATIONS.

The following is a summary of the report of Mr. Lindsay Swift, Editor of the publications of the Library.

Publications for 1900-1901.	Date of Issue.	Pages.	Edition.	Price.
Annual list.....	Jan. 1, 1901,	184	3,470	.05
Branch finding list No. 3.....	Sept. 1, 1900,	40	5,488	Free.
Genealogies and local histories...	July 1, 1900,	88	1,015	.25
Historical manuscripts No. 1....		36	250	Exchange only.
Monthly Bulletins.....	1st of each month	434	*5,000	Free.
Postal titles.....	April, 1900,	16	520	
Rules and regulations.....	Dec., 1900,	16	11,200	Free.
Supplement to list for the young.	Sept., 1900,	7	2,400	

In all, 821 pages as against 793 pages in 1899.

During the past year there have appeared in the Monthly Bulletin, in addition to the titles of new books, the following lists: Postal titles, with special reference to the United States, compiled by Mr. C. W. Ernst (May); Text-books at present used in the Public schools of Boston (September); Programme of exhibitions at the Central Library and Branches, 1900-1901 (October); Books illustrative of Rev. Dr. G. A. Gordon's Lowell lectures (November); Books illustrating Prof. H. Morse Stephens's Lowell lectures on English administration in India (December); Books suggested in connection with Dr. Newman Smyth's Lowell lectures (December); The rights of man: books in connection with Dr. Lyman Abbott's Lowell lectures (January, 1901); Natural history and natural knowledge: books in connection with Prof. W. K. Brooks's Lowell lectures (January, 1901); and also during the same period the following prints from manuscripts in the collections of the Library: Trade of the Massachusetts Bay (March and April); Paper currency in the British plantations in America (April); Four letters of John Brown; John Adams's Notes on the trial of the British soldiers for the "Boston massacre," 1770 (August); Four historical letters: James Cogswell, June 15, 1775; Ezra Selden, June 25, 1775; Martha Washington (two), 1790, 1800 (November); an Ecclesiastical council, 1743 (December); Journal of a survey in 1791, for a canal across Cape Cod, by James Winthrop (January and February, 1901).

The only change in the Monthly Bulletins worthy of comment is the publication, beginning with November, 1900, of selected lists illustrative of lectures delivered before the

* 4,000 in the summer months.

Lowell Institute. These lists are prepared by the lecturers themselves, but they are found to require considerable editing and recasting in order to make them suitable for publication. The books referred to are then placed on shelves in Bates Hall, available primarily for persons who attend the lectures. It is hardly time to pronounce on the utility of this scheme. I only give it as my opinion that these lists enrich the pages of the Bulletin, even when they have little bibliographical fulness or significance. Their publication is all in furtherance of the policy which encourages us to graft on our own work features (such as the continued publication of the Programmes of the Lowell lectures) belonging more immediately to the work of other institutions.

The various issues of the Bulletin seem to have been readily taken by the public, and are soon out of print.

The Annual list remains the same in scope, except that in the latest issue the Editor has introduced the titles of more recent public documents of various states and countries, which were first published in the Bulletin.

During the past year a new venture has been modestly yet hopefully begun. Mr. Worthington C. Ford, in charge of the manuscript collection, occasionally offers for the Bulletin some rare or interesting matter, with a view to opening gradually to the public our resources in this direction. These separate contributions are to be gathered up into volumes, of which the first has already appeared, and is entitled "Historical Manuscripts in the Public Library of the City of Boston. Number One."

The following material is ready to be printed: 1. An Index to British patents, prepared by Mr. Frank C. Blaisdell. 2. A List by authors and titles of Italian fiction, compiled by Miss Mary H. Rollins. It comprises about 1,500 titles. 3. A List of German fiction is well under way, which when completed will combine at least 6,000 titles. 4. Historical manuscripts. Number Two.

GENEALOGY.

The most popular publication of the Library for some time is the "Finding List of Genealogies, and Local and Town Histories containing Family Records in the Public Library of the City of Boston." In the preface it is stated that the late Arthur M. Knapp, then Custodian of Bates Hall, had, in December 1898, completed a revised and greatly enlarged edition of a list of genealogies and local histories, which was published in the Bulletin of this Library for October, 1891.

The material as thus left was practically in the definite shape in which Mr. Knapp wished it to appear. Miss Agnes C. Doyle has since made additions to and revised the titles.

The reception given to this publication has been most gratifying; the demand for it has come from all parts of the country. The Library has perhaps never issued a more practical and useful list.

SHELF DEPARTMENT OF THE CENTRAL LIBRARY.

The additions to the shelves of the Central Library, excluding the Duplicate Room, have been as follows:

	Volumes.
General Collection, including Deposit Collection	15,838
Special Libraries	6,544
Statistical Department	2,667
Total	25,049

The total number of volumes and pamphlets sent by the Shelf Department to various binderies was 24,866.

Additional shelving, sufficient for 25,000 volumes, has been put in place. This will relieve for a short time the pressure for more shelf room, which is beginning to be a matter of anxiety.

THE BINDING OF BOOKS.

The output of the Library Bindery has been:

	Volumes.
Books bound	12,525
Pamphlets bound	4,530
Books repaired, etc.	5,017
Total	22,072
Library publications, etc., folded, stitched and trimmed	76,925
Maps, etc., mounted on cloth	1,129
Photographs and engravings mounted	3,985
Miscellaneous work	2,176 pieces
Other miscellaneous work	739 hours

By the generosity of the City Government the sum of \$10,000 was given to the Library to be used in rebinding worn books. This allowance was made in answer to a request made to the Mayor by the Board of Trustees for the sum of \$30,000 for the above specified purpose, of which

one-third might be spent in 1900, and similar amounts in the two succeeding years.

On the receipt of this sum the book binders of the City were invited to submit bids, on the inspection of specimens showing the style and quality of binding required. The work done by the binders who were the successful bidders, aided by two or three others from outside the City, has been satisfactory. The sum provided has been spent with the following results :

Number of volumes rebound	11,198
Newspapers rebound, volumes	612
Total	11,810

The Bindery Department of the Library was allowed to share in this undertaking to a limited extent, working extra time evenings, and binding 1,115 volumes.

This rebinding of books was under the charge of the Shelf Department and Bindery Department, which deserve a special word of praise therefor. The need of continuing the work is pressing.

The binding and repair work for the year may be summed up as follows :

	Volumes.
Library Bindery (regular work)	22,072
Rebinding (\$10,000 allowance)	11,810
Rebinding popular books	12,900
Binding pamphlets (special collection)	2,000
Total	48,782

In addition to this many thousand volumes are repaired by the attendants at the Library.

THE PRINTING DEPARTMENT.

There has been no addition to the working force of the Printing Department, or to the machinery. There has been a considerable increase in the number of cards printed for the card catalogues; otherwise the output remains in general character substantially the same as given in the Annual Report for last year. To meet the increasing demands made upon the department, especially for the card catalogue, and in order that the three departments of Cataloguing, Editing, and Printing may work continuously and economically, an additional linotype machine is urgently needed.

DISPOSITION OF PUBLICATIONS.

The number of Library publications sent out by the Custodian of Stock during the year was 83,686. The total number distributed of blank forms now in use in the Library, including the charging slips, was 2,084,466.

USE OF BOOKS.

In Appendix VII. is given the number of volumes taken by readers for home use during the past year from each department of the Library. The sum is:

	Home use.	1899-1900.	1900-1901.
Central Library (including Central Library books issued through branches and stations)	. . .	430,987	431,657
Branches and stations	. . .	820,554	893,071
Total	. . .	1,251,541	1,324,728

Only a partial count can be made of books used within the various libraries, since many shelves are now thrown open to readers. The *recorded* use in the Central Library for the past year was 367,063 volumes, as against 355,017 volumes the year previous. No account is kept of the use of magazines and newspapers.

Inter-Library Loans. — Other libraries have received 394 volumes as loans from this Library; 35 applications have been denied, partly for the reason that popular books, such as ought to be in every public library, were asked for. The system is intended to provide only for the exchange between libraries of scholarly or unusual books. Calls upon this Library are not likely to reach such a number as to cause inconvenience from the withdrawal of books needed by those legally entitled to use the Library.

THE ISSUE DEPARTMENT, CENTRAL LIBRARY.

Having at command increased space and facilities, the work of the Issue Department, under the charge of Miss McGuffey, has been more satisfactory than heretofore. The delivery of books will be hastened by the additions made to the Pick-up carrier system. While the complaints of readers of delay in getting books are less than formerly, they are still numerous enough to cause solicitude. The book railway, after six years' service, shows signs of weakness, and needs considerable repairs.

In December the rules were changed so that now but one

seven-day book may be charged on a card at a time. This change was made to allow a more even distribution of new fiction among readers. It will probably reduce the amount of fiction read, and perhaps the total record of use of the Library.

The development of the system of outlying agencies of the Library has brought a great increase in the work of the Issue Department and a closer coöperation between these departments.

BATES HALL.

The use of books by students in Bates Hall seems to increase. The Custodian, Mr. Bierstadt, has reclassified and brought up to date the works on history placed in this room. No books in the entire Library system reach more readers than this reference collection.

Exhibitions of books have been given upon the open screen at the time of the Lowell lectures, and to illustrate notable current events, such as the death of Queen Victoria. The shelves at the catalogue end of Bates Hall have been mostly devoted to new books not fiction and their use has been quite large.

The centre desk in Bates Hall has been enlarged, affording better facilities for work, and giving more room for the display of the catalogues of the Library, and documents frequently consulted by readers.

THE SPECIAL LIBRARIES.

To the Assistant Librarian, Mr. Fleischner, in charge of the Special Libraries, is mainly due the remarkable development of this department of the Library. Following his report it is learned that the use of these libraries has still further increased during the past year, under the charge of Miss Hitchcock and her assistants. On the industrial arts, 1,000 volumes have been added and 1,938 on the fine arts, making 11,000 volumes of the former and 18,151 of the latter in the collection.

A notable extension of the work done in connection with the schools is found in the establishment of a class in industrial design, under a trained teacher, supplied by the School Committee. The class has met at the Library once a week, since December 15, 1900.

EXHIBITIONS.

The system of exhibitions, lectures and classes has been extended, and it is evident that this feature of the work of the department is more and more appreciated. A stereopticon

purchased by the Library will add to the interest in the lectures given in the Lecture Room. Exhibitions of photographs, engravings, etc., have been held in the following order: January–February, 1900, Christian and mediæval sculpture; Renaissance architecture; Assyrian antiquities in the British Museum (in connection with a lecture by Professor D. G. Lyon). March, Renaissance sculpture; Medals collected by the late Arthur M. Knapp, of the Library staff, and given to the Library by his brother; original blocks engraved by Stevenson to illustrate the chap books published by Stevenson and Lloyd Osbourne at Davos Platz; Italian painting, 14th–16th centuries; The life of the Virgin, in connection with a lecture by the Reverend Henry G. Spaulding. April, Flemish painting; Books on the early history of New England; Maps, manuscripts and documents relating to the postal service, loaned by Mr. C. W. Ernst. Renaissance architecture in connection with a lecture by Professor E. B. Homer. May, Dutch, German and French schools of painting. June–July, English school of painting; American painting, chiefly mural decoration. August–September, Spanish school of painting; Photographs of China and Japan; Colored plates of oriental ceramic art, collection of W. T. Walters, gift of Louis Prang. October, Athens and Rome; The original French edition of the Tissot Bible; The Sella collection of Alpine and Caucasian views, loaned by the Appalachian Mountain Club. November–December, Greek sculpture; The life of Christ in art, in connection with lectures by the Reverend Henry G. Spaulding; Florence; Madonnas. January, 1901, Plates from Rossi's *Mosaici cristiani delle chiese di Roma*; Venice (in connection with a course of lectures by J. F. Hopkins, Instructor of Drawing to the teachers in the Boston public schools); Egypt; Greek art; Rome; Portraits of Queen Victoria.

There have been exhibitions of pictures at the branch libraries and stations. These exhibitions are changed every month.

CLASSES.

The following enumeration of visits made to the Special Libraries by schools and clubs in classes will show the extent of the use of this department.

Schools	.	.	.	.	.	22 visits	413 members
Clubs	.	.	.	.	.	60 visits	961 members
Private classes	.	.	.	.	.	69 visits	1,027 members
Total	.	.	.	.	.	151	2,401

To the schools and clubs 201 portfolios of pictures have been sent. Four lectures, illustrated by the stereopticon, have been given under the auspices of the Unity Art Club.

PHOTOGRAPHS.

The collection of photographs consists of the following :

Painting	5,524
Architecture	5,349
Sculpture	2,114
Miscellaneous	300
Total	13,287
Process pictures :	
Painting	2,498
Architecture	2,050
Sculpture	715
Unclassified	175
Total	5,438

The additions during the year have been: 1,335 photographs and 752 process pictures.

The use of the Special Libraries is increasing; the special catalogues are being constantly improved and additional catalogue cases have been provided.

THE ALLEN A. BROWN LIBRARY OF MUSIC.

More than five hundred volumes have been added to the Library of Music. This collection contains nearly all the new and uniform editions of the great masters, those of Chopin and Schumann having been recently acquired. Much attention has been paid to the purchase of the full orchestral scores of operas, oratorios and large choral works, and the number of these in the Library, now exceeding six hundred and fifty, will compare favorably with all but a few of the great European collections. The same can be said of chamber music in all its branches, to which large additions are being constantly made.

Miss Margaret D. Whitney, in charge of the Music Library, having resigned from the service, Miss Marguerite Barton has been appointed to fill this position.

Two bronze tablets and an oak table with drawers for holding photographs have been placed in the Military Alcove by the Twentieth Regiment Memorial Association.

DOCUMENTS AND STATISTICS.

The report of the Chief of the Department of Documents and Statistics shows that considerable progress has been made in the arrangement and development of this important collection of material. Two points may be emphasized, namely, the need of more shelf room, and of greater accessibility to readers through a more convenient location.

MANUSCRIPTS.

The report by Mr. Ford, which follows, on the first full year's work of the Department of Manuscripts is of interest. A separate room has been provided for this department.

The manuscript collections of the Library have been increased during the year by important gifts to the "Abolition," or Garrison collection, by the daughters of the Rev. Samuel May, and by the niece of Mrs. Henry G. Chapman (Maria Weston Chapman). The Phelps collection is ready for binding, but will not be completed until the Garrison collection is in the same condition. The Garrison collection is in process of mounting, preparatory to binding, and during the last year 3,192 separate pieces have been thus treated. It is expected that the work will be completed in two more years. The collection has been indexed, so far as the writers of the letters are concerned, as rapidly as the papers have been given out to be mounted. From time to time, additional letters and papers are received from Mr. Wendell P. Garrison and Mr. Francis J. Garrison, who have shown a generous interest in the measures taken for giving the collection its final form, when it shall be accessible to the public.

Late in the last year the Chamberlain collection of manuscripts came into the full possession of the Library under the provisions of the will of the late Judge Mellen Chamberlain. The general nature of this collection has been described in the hand book issued by the Trustees in 1897, and any account of special features will be deferred until the contents are better known. The catalogue, already begun, will contain entries by writer and principal mention of public and other characters, and will include the portraits, engravings, and printed broadsides and advertisements, of which there are some very fine and rare examples. The card catalogue already numbers 3,246 separate entries, and covers about one-tenth of the collection.

The album of John Brown material, presented to the Library by Col. Thomas Wentworth Higginson, has also

been mounted, and the more important letters inlaid. It will be bound at a fitting opportunity. Numerous manuscripts have been repaired, and, when needed, mounted on silk, or with silk coverings, coated with paraffine, thus making them less exposed to damage. About one-third of the Griswold collection has been mounted and repaired, and will be ready for binding during the current year.

Col. Thomas Wentworth Higginson supplemented his volume of letters relating to the John Brown attempt at Harper's Ferry with an equally interesting collection on the Anthony Burns riot. These two volumes, describing the events from the inside, and by one of the active participants, are of very great historical value, and complete the records already in the Library in the Garrison manuscripts and the Theodore Parker newspaper scrap-books.

A gift, of some size and of true historical and genealogical value, is that given by the late Mr. Thomas Smythe. He had spent many years of his life in copying town records and collecting memoranda on family history. The results were filed on loose sheets, sometimes entered in note-books, more often accumulated in the order of copying. To his own work was added some transcripts from Virginia records made by his brother. Mr. Smythe intended to prepare a description of the material, but death intervened before he could accomplish his purpose, or even outline its leading points.

Through the liberality of Mrs. Julia M. Norris, widow of the Rev. Thomas Starr King, and Mrs. Horace Davis, her daughter, now of San Francisco, the Public Library has come into possession of more than four hundred of the manuscript sermons of Mr. King. This long series covers a ministerial activity of nearly twenty years, for the last manuscript was composed less than two weeks before his death. Included in the number are many of the best known of Mr. King's utterances. The range of subjects treated is wide, comprising his political and war sermons, as well as those on nature, on religious belief, and on literature. A list giving the title of the sermon, and the earliest date it bears, has been printed in the Bulletin. Most of these manuscripts were for a time in the keeping of Edwin P. Whipple, under whose direction many were published, and they bear his comments and annotations.

A number of very choice manuscripts have been purchased as opportunity offered. The largest single acquisition was a collection of nearly six hundred bills and accounts of an old mercantile house in Boston, extending from 1762 to 1839. Not only are they interesting in the names they bear, but

they give prices and descriptions of articles of ordinary use, presenting the material for a study of the social and economic condition of town and city. The Library already contained the bill-book of John Rowe (1759-1762), so that the records are thus complementary.

In making purchases, some caution has been exercised lest unnecessary duplication occur. A mere autograph is avoided on general principle, unless there is a reasonable certainty that no better example of writing is obtainable. The document should have an historical as well as an autographic value, and it is all the more desirable if it has a connection with the history of Boston or of Massachusetts. So long as the Chamberlain collection is not fully catalogued, it will be necessary to exercise this caution, but many very interesting manuscripts were obtained during the year, and at reasonable prices.

Believing that the manuscripts of the Library should be used for public benefit, and realizing the impossibility of giving free access to them, it is proposed to publish in the Bulletin such of the more interesting material as we possess. The Editor of the Bulletin has coöperated, and there has been issued the first number of what is intended to embody the records, letters and documents of permanent historical value.

The rules laid down for obtaining access to the manuscripts are needed for their preservation; but no reasonable request has been denied, and wherever possible the inquirer has been met to the full. With every step towards a full arrangement and catalogue, the collections will become more available to public use.

THE CHILDREN'S ROOMS.

The Children's Room at the Central Library was opened in May, 1895, and the Children's Reference Room May 1, 1899. Since May, 1898, three children's reading rooms have been established at the branches and stations, and in three others separate space has been set apart for the children.

In the report of Mrs. Gertrude P. Sheffield, in charge of this department at the Central Library, it is stated that the work progresses, if slowly, yet apparently surely in its most important features, such as teaching children how best to use the Library, and making them acquainted with a better class of books than those which have hitherto interested them. That the privileges granted are appreciated may be seen by a visit to the Children's Room, especially on any Saturday afternoon or Sunday.

Acknowledgment is made to the Fiction Committee for suggestions as to the selection of books. Their criticisms are valuable, and, issuing from many different sources, the possibility of pleasing various tastes is greater than when the judgment of one person is depended on.

From this room many books are sent to the branch libraries, and to the vacation playgrounds.

Considerable additions have been made to the Reference Library, especially through the gift from the publishers of specimen copies of the books used in the public schools of the City. These number 599 volumes, and they have already done good service to both teachers and pupils. Boys studying in the night schools depend upon these books, and come to the Library daily for their use.

There have been numerous exhibitions during the year. In February a series of exhibits of pictures of birds was begun (the exhibit showing the birds which might be expected at that time on their way north), and was accompanied by notes calling attention to a few facts of special interest. These exhibits were continued during the months of migration only.

In May the first of a number of exhibits of pictures of flowers and fruit was given. This series was made possible by the kindness of Miss Helen Sharp, who lent her collection of exquisite original botanical sketches in color. These were so arranged as either to show the relationship between different flowers, or to show the flower with its fruit. Other exhibitions have been given of pictures of subjects given to classes in the public schools for study, and books have been given to the children, with especial attention to assisting them in writing the compositions required.

The following table gives a classified statement of the issue of children's books for the year.

Children's Room :

Fiction	48,630	
Non-fiction	4,602	
Bates Hall books	6,991	
	—	60,223
Children's books issued from Stack 4 (mostly fiction),		7,417
Children's books issued from the Children's Room and		
Stack 4 to the Branch Department:		
Fiction	32,745	
Non-fiction	5,516	
	—	38,261
Total issue of children's books		105,901

PATENTS.

The work in the Patent Room increases from year to year; progress is being made in the different lists which are preparing.

	1899-1900	1900-1901
Number of visitors	3,336	3,568
Number of volumes consulted	47,460	71,021
Number of volumes in the Patent Room .		8,479

NEWSPAPERS.

The Newspaper Reading Room was enlarged two years ago. It is still too small for the needs of the Library. A count was made of readers on November 24 and December 4; on the first day 1,178 persons were present, and on the second day, 1,363.

New shelving has been placed in the rooms where the files of bound newspapers are kept, and grilled doors protect the more valuable papers. Many volumes have been rebound, and numerous packages of papers have been collated and made ready for the shelves. The number of volumes consulted by readers in the past year was 8,026, as against 4,977 the previous year.

LECTURES.

Under the auspices of the Trustees a course of free lectures was given in March and April, 1900, in the new Lecture Room of the Library. The speakers and subjects were as follows: Col. T. W. Higginson, Education and the Public Library; James L. Whitney, Incidents in the early history of the Boston Public Library, and other libraries; Otto Fleischner, The Public Library and art education; Rev. Jesse H. Jones, Wendell Phillips, an address in connection with the presentation to the Library of a bronze bust of Wendell Phillips; Lindsay Swift, The Public Library in its relations to literature; Worthington C. Ford, The Public Library in its relations to the state; Dr. William Everett, Reminiscences of Hon. Edward Everett; C. W. Ernst, World literature and the postal service; Rev. Dr. Edward Everett Hale, Benjamin Franklin.

A second course of lectures on Methods of municipal administration, illustrated as far as possible by the history of some of the principal cities of the world, will begin March 11, 1901.

Under the auspices of the Unity Art Club the following lectures have been given: The social life of the Babylonians in the sixth century, B. C., by Professor D. G. Lyon of Harvard College; The life of the Virgin, and Rome and the Marble Faun, by the Rev. Henry G. Spaulding; Renaissance architecture, by Professor E. B. Homer of the Massachusetts Institute of Technology. The last three lectures were illustrated by the stereopticon.

THE BRANCH LIBRARIES AND STATIONS.

The development of the branches, reading rooms and delivery stations during the year has been quite marked.

At Roslindale a new reading room, attractive and convenient, has been established in an independent building. A considerable supply of books has been furnished, and the interest awakened has been gratifying. This section of the City is populous and rapidly growing, and the new reading room in its central position will rank among the most important of the Library's agencies.

A new reading room has been established at Andrew square, South Boston, in a room of the John A. Andrew school-house, which was offered to the Library by the School Committee.

For this very desirable addition to the Library system, as well as for the reading room at Roslindale, thanks are due to the City Government, which generously made appropriations for this purpose.

The establishment of a children's room at the West End Branch, the enlargement of the West Roxbury Branch, and other additions and changes are described in the report of Mr. Ward, the Supervisor of Branches and Stations. Especially worthy of mention are the re-establishment of Station N, at Roxbury, through the kindness of the Catholic Young Men's Association of St. Patrick's Church, and the new home found for Station S, on Tremont street, where, accompanying the Boys' Institute of Industry in its transfer, it is still under the protecting wing of that institution.

The branch system comprises eighty-six outlying agencies, as against seventy-one in the previous year. Their output of books for home use was 1,006,214 volumes, as against 922,624 in 1899-1900.

The sum of \$30,000 has been provided by the City for a new building for the Charlestown Branch Library.

COÖPERATION WITH THE SCHOOLS.

Especial attention is asked to that part of the report of the Supervisor of Branches and Stations which outlines the relationship existing between the Library and the schools of the City. The movement towards affiliation has received a decided impulse of late, and the action of the Library which was at first tentative and hesitating, is now more sure and confident. Nearly one-third of the high and grammar schools receive books from the Library, double the number of a year ago. The interest shown in this new movement by the school authorities promises the best results, which may only be limited by the supply of books at the disposal of the Library.

The following extract from a letter addressed to the Library by a Master of one of the public schools expresses, it is thought, a growing sentiment: "The high degree of efficiency and the spirit of accommodation manifested in your department have added greatly to the working power of our school."

THE TEACHERS' GEOGRAPHY CLUB.

Help has been given to the Library by the Teachers' Geography Club. Professor William M. Davis, of Harvard College, has sent many notes in regard to newly issued Topographic sheets of the United States Geological Survey, and teachers have read some of the new geographical books and made summaries of their scope and contents.

JAMES L. WHITNEY,

Librarian.

APRIL 12, 1901.

SUPPLEMENTS TO THE REPORT OF THE LIBRARIAN.

(A)

EXTRACT FROM THE REPORT OF THE CHIEF OF THE DEPARTMENT OF DOCUMENTS AND STATISTICS.

To the Librarian :

In presenting this, my third annual report, it is with sincere pleasure that I am able to note the growing appreciation of the public utility of this Department of Statistics and Public Documents. Beginning as it did, with not a single volume or pamphlet (outside of the two great series of the Congressional Documents and Parliamentary Papers), and so isolated as to be inaccessible to the general public, the department has now under its immediate charge a collection of 6,049 volumes. In this number are not included the Congressional and Parliamentary series, the reports of State Legislatures and Executive Departments, and such foreign reports and proceedings as have not yet been transferred from the stacks. The growth of the collection may be shown by the following figures :

YEAR.	Accessions.	Transfers from Stacks.	Total.
1898-1899.....	343	.....	343
1899-1900	2,039	1,000*	3,382
1900-1901.....	2,253	414	6,049

That the increase in the collection in the near future must be even more rapid is evident. During the month of March, 1901, a month not included in the period covered by this report, but used as an example of the active work of the department, 731 books and pamphlets were received and prepared for location on the shelves, and even this number did not include the many weekly sheets and papers, the daily

*Estimated.

reports on finance and commerce, or the current periodicals charged to this department. Of this number (731) about 500 will remain permanently in the department, and the balance goes to complete series or files now in the stacks, awaiting a convenient time and opportunity for their transfer and new location in this special branch of the Library. Even with an increase of 500 pieces a month, and that is well within the actual figures, it may easily be seen that the collections must soon form an important part of the general Library, and the growth involves serious questions on the best disposition to be made of them for the benefit of the public. Some of these questions I shall raise in this report.

About one-fifteenth of the volumes added to the collection during the past year was by purchase, and the matter thus obtained was of current publication, chiefly bearing upon sociological and administrative questions of the day. The most important single accession was a set of the *Statistik des Deutschen Reichs*, in 178 volumes — the very cornerstone of German statistics, — and comprising the best results of statistical studies in problems of government applied to that empire. Another valuable acquisition was a file of the *Annales du Commerce*, issued by the French government, and containing an almost complete record of commercial legislation and commercial statistics from the year 1843 to 1900. While it is only natural that this series has been constructed on lines of special interest to French trade and industry, it is of permanent value in all investigations into the course of international trade since the repeal of the British corn laws and the entrance of Great Britain into the experiment of free-trade with the world. Important as were these purchases, and necessary as they were to fill a blank in our series of statistical issues, they are only examples of many similar purchases that must be made before even an approximate completeness can be found in this special branch.

Early in the summer a number of works on international law, notably those bearing upon the questions of protectorates, the acquisition and settlement of new territories and disputed rights in colonizing movements, were purchased, and proved useful. But I found that the Boston Athenæum possessed a special fund for purchasing such works, and recognized the inutility of duplicating save in such cases as the high permanent value of the work made its possession advisable. Through the courtesy of Mr. Bolton of the Athenæum I have a complete list of the works on interna-

tional law in that institution, and so far as is consistent with the aims and policy of this department duplication will be avoided. The purchase of state laws and proceedings of legislatures is also deferred for the present, because the State Library, under Mr. Tillinghast's able management, makes it a point to obtain full series, and through his courtesy the inquirer at the Public Library may be sent to the State House collections. So long as the questions of expense and the difficulty of housing such extensive series press upon this Library there is no reason for duplicating these state publications. At the same time I do not hesitate to ask for the reports of the State Executive departments, inasmuch as they embody the latest results of the administration of government in the different states of the Union, and are thus essential to the study of comparative conditions, through which alone the best and most intelligent conclusions are reached. In this connection I would mention the series of inaugural and annual messages of the governors of the different states, which are obtained each year, as they indicate the problems of legislation and administration present in each state, and thus supply an annual index, as it were, of the present questions of policy.

As to the gifts made to this department, it would be impossible to name even the more important. The United States government has been liberal in meeting my requests, and with hardly an exception, the document wanted has been sent willingly and promptly. I would especially note the courtesy of the War Department in its issues on "Insular Affairs," and the Treasury Department in its daily, weekly and monthly publications on finance and commerce. Promptness and certainty of receipt have been of great assistance to the department in maintaining its ability to meet current questions on those subjects.

The same remarks will apply to the many State departments which have sent their regular or occasional publications. The four great divisions of labor, railroads, insurance, and charities and corrections have by these means been maintained at a point of high efficiency, and those of finance (reports on assessment, taxation and expenditures) are being rapidly expanded and completed. Peculiar difficulties are encountered in this matter, through the absence of any "clearing house" of information. Few lists of state reports are available, and the documents issued by a legislative body are difficult to follow. The appointment of a committee or special commission to report upon a subject of general interest may be noted, but years may elapse before the report is

made; the committee may never make a report, or may prepare one of little value. An occasional mention in a newspaper may enable its proceedings to be followed, but it is almost impossible to devote such minute attention as to be able to apply for a copy of the report at the proper time. Discovery comes too late, when a full distribution has been made, and the opportunity to secure a copy has passed.

While this difficulty is in part made good by the certainty that at some time the State Library will receive a copy, there is an awkward interval of time during which inquiries at the Public Library may be frequent and urgent. It is a pity that in each state a certain number of copies of documents should not be set aside for the great public libraries, or that a number should not be given to the State Library for similar distribution. In default of such an arrangement a monthly list of issues by the Legislature and departments might be sent to libraries, similar to the lists issued by the United States Superintendent of Documents, or the monthly and quarterly lists of British Parliament Papers. Until some system of disseminating a knowledge of the printing of public documents, or some method of organizing and centralizing their distribution is adopted, this difficulty must remain. It is at times difficult to explain this matter to one who is pressingly anxious for a particular report or paper. The immediate want blinds the inquirer to the obstacles in the way of satisfaction.

In turning to the more important accessions of foreign documents and reports, it is with keen pleasure that I acknowledge the general courtesy and extensive generosity of the various governments and departments. A glance at the list of donors printed as an appendix to the annual report of the Library will show the extent of the gifts, and the many sources from which they were received. Not infrequently a request has been made which could not be granted because of the rules governing the distribution of public documents; but such occurrences have been infrequent, and in few instances have applied to important issues.

It may not be out of place to note an advantage enjoyed by these foreign bureaus. As a rule they are presided over by men who have held office for many years, and have thus become not only familiar with the duties of their particular bureau or department, but have studied the methods and results of similar bureaus in foreign governments. They belong to the permanent force of the administration, and thus embody the machinery, the knowledge, and perhaps the preju-

dices of long service. I need not give a list by name of those actually in service for examples; but the few changes that have come under my notice in the last few years are in point. In England, Mr. Robert Giffen was at the head of the Board of Trade for many years. The late Dr. Janssens, whose death removes one of the most faithful of statisticians, could show a long and specialized term of official activity. Notice has just been received of the retirement of Elis Sidenbladh from the head of the Swedish Statistical Department, after a term of office of 21 years, while in the neighboring state of Norway, Anders Kiær can show as long a service, and there is no indication of any decay of power or willingness to receive suggestion. The truly magnificent series of Swedish and Norwegian statistical publications alone justify this policy of retaining ability in office, for they have given their creators a standing abroad which redounds greatly to the credit of the two countries.

A further advantage of such service lies in the knowledge it gives of what is being done elsewhere for statistical science, the ability to know those who are pursuing the same lines of investigation in other countries. I may take some credit to the position held by the American Statistical Association, for it has been through its agency that many of the most important accessions have been made. Similar societies abroad have readily responded to its calls, and the heads of the different foreign statistical departments, knowing of its existence and labor through long years, have generously aided in completing its series and in freely giving the best of their publications. In Russia and its cities, and in Austria-Hungary, as readily as in France, Germany or Great Britain, the Association has become known as worthy of recognition, and exchanges of publications are readily made. I would especially mention the receipt from Baron Noldé, of the Department of Finance, St. Petersburg, of more than ninety volumes of the issues on the finances and commerce of the Empire. It only remains to add that unless these official statisticians of Europe had enjoyed their long service, they would neither know of the American Association nor place so high an estimate upon its labors and the field which it occupies in the United States.

The practice of obtaining certain official reports of European governments as soon as published has been continued and extended with regard to English and French documents. As the question of colonial administration has assumed such importance, the current reports of the British colonies are received under this system, making them available for use

months before their receipt under the old plan. In like manner the department has devoted especial attention to commercial statistics, as there is an ever increasing demand for information on that subject. The Statistik des Deutschen Reichs gives the returns for the German Empire, and the British Trade returns are received promptly on issue. I have added through gift and purchase a full set of the Chinese, Indian and Japanese returns, and the French Ministry of Commerce enables us to receive the important *Moniteur Officiel du Commerce* and the accompanying consular reports each week. The series of Austrian and British Indian issues, noted in my last report, are continued. The annual reports now received from the foreign chambers of commerce make a notable addition to our collections, and will be continued. The Chamber of Commerce of Hamburg enabled me to complete a series of its reports extending from 1867 to 1900, and other bodies have been generous in gifts to be noted in my report of the current year.

The statistical works received from the American Statistical Association by the transfer of its collections in June, 1898, have now been arranged, catalogued and placed upon the shelves of this department. The completion of this task enables me to take a general survey of the accessions through this transfer, and it is very gratifying to find that the results are fully equal to the expectations. General works on statistical methods the Association had not collected, but had confined itself almost entirely to obtaining the current issues of official statistical bureaus in the United States and European countries. It was thus a library of applied statistics which came to us, and a long list of series could be given to indicate the particular nature of the works. The larger part of these series the Public Library did not possess, or held in such broken files as to be practically useless. Yet the Library in many cases possessed the very numbers or parts needed to complete the files of the Statistical Association. As nearly all of these fragments bore the signature of General Francis A. Walker, long the President of the American Statistical Association, they were deposited by him in the Public Library from time to time, while other issues of the same series were turned into the Statistical Association. The two collections were thus in a measure complementary, and the policy of accepting the transfer has been justified on this ground alone, apart from the value of the matter thus secured. The series older in date rarely occur in any auction or private offerings, and it was the earlier series which were the more complete. It

has also been very gratifying to notice how well the general collections of the Public Library on political economy, sociology and the theory of statistics supplement this collection of practical and applied economics of the various statistical bureaus. The actual possession of the "raw material" and the "finished interpretation" of statistics in one department is a great step towards fulfilling my wish to have at hand the outfit of a "statistical laboratory."

A very serious obstacle stands in the way of a realization of this plan. The department is too remote and difficult to reach to be readily accessible, and its present quarters are so small and cramped as to make a fair display of its leading features out of the question. The available shelf room will not hold one-half of its collection, and at present the books numbered and located are in no less than six different places, a source of annoyance and waste of time both to those who have them in charge and those who wish to consult them. The recent clearing of a certain space in Stack Six for a part of the accumulation does not satisfy the needs of the department, while it makes necessary a breach in what must be regarded as an essential feature of the collections — the open shelves or ready accessibility. I consider that the true function of the department is to supply the material for investigation and make it open to the student. It is out of the question to be in such a position as to be able to answer every inquiry at once, a faculty that seems to be expected by many. To encourage and cultivate intelligent use of the material in the department should be the limit of our endeavor.

One step towards a realization of this is the indexing of the statistical series and periodicals now in process. A book or pamphlet speaks for itself, and is fully treated in a bibliographical sense in the general catalogue. But a serial issue (and the larger portion of statistical investigations appears in periodical form) by name conveys no idea of its contents, and only by indexing and analyzing the individual essays can they be made of service to the public. The labor thus undertaken will be continued, and in due time I hope to have a complete index of past as well as current issues, and in such a form as to be of public use. I am extending it so as to include the title and description of any important articles on finance, commerce or sociological investigation appearing in recognized weekly journals devoted to these subjects. The index will thus be a record of the notable events in the economic world as well as a reference to the leading sources of information. It will not be either practi-

cable or desirable to incorporate this index into the general catalogue of the Public Library, as it would unduly swell the size of what is already a large catalogue, and increase it with titles or entries of little use to those not engaged in special investigation.

With the collections now in my charge a liberal policy has been pursued, and this has been found to meet with favor as well as to encourage application to this department. Volumes have been loaned to the leading educational institutions of this neighborhood, either at the request of some professor whose requirements were urgent, or to aid in university debates on current questions. The knowledge that public documents of importance are almost certain to be found here soon after issue, has led to these applications, and I am firmly convinced of the good policy of meeting them freely and in due discretion. It is with pleasure that I am able to record that in no case has the confidence thus shown been abused, and no losses have occurred.

I have thus outlined the relations of this department to the general public; it remains to speak of its internal organization and functions. That the institution was an experiment was recognized at the outset, and has ever been present to mind. Yet I cannot but believe that the department has justified its existence, and will grow in usefulness as its collections and aims become better known, and as its surroundings are made better suited to its ends. That it possesses characteristics which differentiate it from the general Library is true, and the existence of these differences has led to criticism and at times to friction. A long-established system, of slow growth and still slower change, finds a difficulty in meeting new conditions. The organization of this department imposed upon it certain elements of isolation and separate activity. It not only recommends books for purchase, but it locates them when received. It makes application for documents, receives them and acknowledges the receipt, prepares the card of accession, numbers the volumes according to the shelf scheme of the department, makes the entry on the shelf list, and on final return from the Bindery or Shelf Department, after the addition of the number labels and book-plates, takes charge of the circulation and use. The department is thus to a degree an independent branch, in that it performs all the steps involved in obtaining, shelving and circulating a book, except the purely mechanical functions of binding, of attaching numbering labels and book-plates, and keeping the indicator record of circulation.

Even this does not include all the duties falling to the department, as the most difficult matter is the selection of books for purchase or for obtaining through gift. A general treatise on a sociological subject is advertised, for there is a market for it. But official publications are rarely advertised or announced, and attract attention only when relating to a question of state policy immediately before the public, or when noticed by some investigator to whom its usefulness appeals. These items are never in any publishing lists, occur rarely in the sales catalogues, and must be sought in occasional bibliographies or in the columns of statistical journals. Nor is the mere finding of a title sufficient; there must be some knowledge of the contents of the work to attain to a proper estimate of its worth. It is thus not assuming too much to state that half of the time of this department should be expended in becoming familiar with what is being or has been written on a current topic, and securing a knowledge of these more obscure but highly valuable sources of information in official publications.

The practice of making exchanges of duplicate material with other libraries has been continued, and offers a ready means of disposing of this embarrassing increase of dead material. It is not feasible at all times to obtain what might be considered a full equivalent. A smaller library finds a difficulty in meeting the needs of a very much larger and older institution. Its own wants are many while those of the older body are few and usually to be classed among the unusual and difficult to fill. A certain discretion has thus been necessary, and I have sought to temper it with liberality, as the space now occupied by duplicates in this Library is too valuable for other purposes to be needlessly expanded.

Respectfully submitted,

WORTHINGTON C. FORD.

(B.)

EXTRACT FROM THE REPORT OF THE SUPERVISOR OF BRANCHES AND STATIONS.

To the Librarian:

SERVICE OF THE BRANCHES AND STATIONS FROM THE CENTRAL LIBRARY.

The Daily Issue. — The issue of books from the Central Library on cards and slips to the branches and stations amounts for the year to 104,988 volumes, as against 94,808 volumes in 1899. The percentage of unsuccessful cards is 46 per cent. as against 44 per cent. in 1899. The percentage of fiction in the books issued is 81 per cent. The demand for fiction from the Central Library continues to grow and cannot be supplied. It is a matter of surprise that the disappointments are not greater in number, as much of the demand is for current fiction, and of this the supply of copies at the Central Library is very limited. With the growth of the stations the calls for books from the Central Library increase. In 1897 the applications (cards) were 98,601, in the year past 174,587.

Deposit Work. — From the Central Library, deposits are sent to sixty-four places, as against fifty-three last year, and the number of volumes now out on deposit is 9,354 as against 7,817 a year ago. The total number of volumes sent out during the year was 25,500 as against 22,502 in 1899. Forty-five per cent. of these books were fiction. The special deposits sent to the branches and stations for the use of schools have nearly doubled this year. They number 1,754 volumes, as against 883 volumes in 1899. In order to meet new demands the deposits sent from the Central Library to stations and schools have been supplemented more largely than before by deposits from the branches. The number of volumes sent from this source was 3,849.

The net gain in the deposit collection is 3,134 volumes. It now numbers 13,667 volumes, of which 60 per cent. are fiction and juveniles.

Notwithstanding the large additions of the year the deposit collection must continue to grow with the growth of the work. It is the reservoir of supply for all the outlying agencies of the Library, except the branches. In its use it

is the most popular sort of a collection, for its books circulate to the extent of perhaps 200,000 volumes, and are all on open shelves.

Work with Schools Including Work through the Branches. — There are now 21 schools supplied by the Library, as against 11 in 1899. This is nearly one-third of the public schools of the city, leaving out the primary and kindergarten schools; for the Library cannot as a rule attempt to deal with any grades below the seventh in the grammar schools.

Books for topical reference have been reserved for schools at the branches and stations, upon formal application from the teachers, to the number of 2,871 volumes.

The two city vacation schools and the playgrounds in the school yards were all supplied with deposits of books in the summer.

Coöperation. — A general scheme of coöperation between the Library and the School Department was outlined in 1895, but could not then be carried into effect for lack of funds. Therefore, when books were first sent directly to schools, in 1898, it was necessary to proceed experimentally, opening relations with individual schools one after another.

Having pursued this course for more than two years, it seemed proper to call the special attention of the School Department to what had been accomplished, as had been the intention of the Library from the beginning. The Superintendent responded heartily by appointing a committee on coöperation, which has already had several meetings, and a conference with the Library authorities. In accordance with the recommendation of the committee and the Superintendent, the School Committee has voted to guarantee once for all the safety of books sent by the Library to the schools. Another matter which has been agreed upon is the issue of a circular letter by the Superintendent to the teachers, calling attention to the various features of the work of the Library. Among these is a plan to take registrations for Library cards in every grammar and high school once a year. These have already been taken in several schools, but by doing so everywhere, it will be certain that all pupils in the City have had cards offered them.

Character of the Books. — The books which have been sent to the schools are not only those for topical reference, but miscellaneous reading, well selected and limited in kind. For it is quite as important to cultivate in pupils a taste for the best books, and to encourage an intelligent use of the Library, as to assist them directly in their studies. The 80,000 pupils in the Boston schools are the future adult con-

stituency of the Library, and they ought all to graduate from school into the position of card-holders and card-users for life. As to a division of the reading furnished by the Library and the supplementary reading supplied by the School Board, experience will doubtless lead to a decision. A distinction based not so much on the character of the books as the nature of their use, is a reasonable one — books used like text-books being furnished by the School Board in sets, as is done now, whatever their character.

BRANCHES.

This has been a year of some enlargement at the branches. More schools and other agencies have been supplied, more readers accommodated, and more books and cards issued than last year.

Reclassification. — Nine of the ten branches are now reclassified on a common system, and eight branches have complete card catalogues. The central union catalogue and shelf-list are approaching completion.

Consolidated Branch Finding List. — The public are learning slowly to use the card catalogues at the branches, but these can never take the place of printed lists. In 1898 and in 1899 there was published a union finding list of the books added to the branches during the year previous. Instead of a third annual list, a consolidated list, covering the three years from June 1, 1897, to August 1, 1900, was issued last September. It represents about 1,700 titles, and together with the selected list of books for younger readers, furnishes in printed form a considerable proportion of the titles which are most asked for.

Free Access to Books. — For structural reasons no large extension of open shelves has been possible this year, but in several branches bookcases have been built outside the enclosures, so that more books might be accessible to the public. In six of the ten branches all, or nearly all, of the shelves are open. There can be no doubt that the public is benefited by handling the books, and it appears that the Library administration has gone on at least as smoothly as before. The wear of the books is greater, but the loss is not alarming; for the total number of volumes missing is only eight more than last year in these six branches. The chief loss has been, as usual, from the juvenile collections, and not from the main body of shelves recently thrown open.

Circulation. — The total circulation of the branches is 673,053 volumes as against 638,804 volumes in 1899, a gain

of 34,249 volumes, or $5\frac{3}{10}$ per cent. The total circulation of the branch system is 1,006,214 volumes, as against 922,624 in 1899. This constitutes three-quarters of the circulation of the Library. There has been a general increase in registrations for cards, and an increase in the use of reference books is reported from most branches. With so many open shelves the unrecorded use is large. From systematic observations made again this year it is probable that this use is nearly, if not quite, equal in amount to the home use.

In the month of November the custodians were asked to keep a classified record of the issue of non-fiction in order that it might be seen what reading was most in demand. From the reports it appeared that history led at six branches, and literature, including language, at four. Where literature led, history usually came second, and *vice versa*. Geography and travel, and biography came third and fourth, but with the order reversed at some branches, science was usually fifth, and then came fine arts, useful arts, etc. At one branch fine arts was second.

Books.—The number of new books bought for the branches during the year is 7,259; last year, 4,447. There was an unusual supply for Charlestown. Replacements numbered 1,779 volumes; in 1899, 1,672 volumes. Current fiction was bought to the extent of 1,940 volumes; in 1899, 1,394 volumes. The books bought for the branches include many simple books for topical reference, which are useful to pupils of the public schools, and some books of a more youthful character than were formerly supplied, which the practical reduction of the age-limit for cards has made necessary. Of reference books proper a large number were bought after a careful consideration of the needs of the branches. The reference collections are therefore in excellent condition. Children's reference libraries exist at some branches and should be at all.

Repairs and Improvements.—At the West End Branch a large children's room has been fitted up in the left gallery. The room is generally crowded with children, and the hall use of books has much increased. About 1,900 volumes have been placed here on open shelves, including the beginnings of a children's reference library. The main floor is thus relieved of the presence of children, and the capacity of the branch increased.

The building which the West Roxbury Branch occupies was thoroughly repaired last summer by the Department of Public Buildings. In coöperation with that department



INTERIOR OF THE WEST ROXBURY BRANCH (ENLARGED, SEPTEMBER, 1900).

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

the partition was removed between the branch quarters and a large room adjoining, and the whole second floor of the building remodelled and refurnished. Gas and steam heat were introduced. The quarters of the branch are now spacious, well lighted and heated, and really attractive. The extension made it possible to set apart a children's room. Four branches now have children's rooms, and three have a separate enclosure for children. In the Children's Room of the Brighton Branch there have been meetings of a Readers' Club, for those under sixteen years of age, formed by the Custodian with the object of encouraging the proper use of the Library. At Charlestown, Dorchester, Roxbury and South Boston considerable repairs have been made. At Brighton a granolithic drive and walk was laid at an expense of \$800, and the retaining wall of the lawn was rebuilt.

Advertising. — The branches and stations are advertised from time to time in various ways — by placards and circulars, by articles in the newspapers, metropolitan and suburban, and by personal effort, especially at the schools. This year, in addition to the usual means, a general card, suggested by the Chairman of the Sub-Committee on Branches of the Examining Committee, was prepared, and with his co-operation placed in the waiting rooms and car-houses of the Elevated Railway, the Western Union Telegraph offices, the engine-houses, the police stations, the public schools, and many other places. This card shows the location of all the branches and stations of the Library, and by underlining the name of a branch it becomes an advertisement of that one in particular. In this connection, articles upon the extent of the branch system were published in various newspapers.

DELIVERY STATIONS AND OTHER AGENCIES.

Stations, Enlargement and Improvement. — During the year one new station — a reading room — has been added, and two service stations, one of them a reading room, have taken the place of shop stations. There are now 20 stations, of which seven are reading rooms, as against five at the beginning of the year, and only nine shop stations, as against eleven at the beginning of the year.

The new station is Station Y, the Andrew Square Reading Room, the establishment of which was made possible by a special appropriation by the City Government of two thousand dollars. By permission of the School Committee, a room was fitted up in the basement of the John A. Andrew School-house, Dorchester street, South Boston, and the read-

ing room was opened on January 5. There are several periodicals and a collection of reference books at the station, in addition to deposits from the Central Library and the South Boston Branch. The circulation from January 5 to January 31 was 1,580 volumes, and the room was often crowded with readers. There is, therefore, no doubt that a reading room was needed in this district. This is the only station of the Library in a public school building, though two branches are so situated. There is both advantage and disadvantage in such a location.

A special appropriation of five thousand dollars was made by the City Government for the establishment of a reading room in Roslindale, where only a shop station existed. The new reading room was opened in roomy and attractive quarters in the Wise Building, Washington street, on December 29. It has nearly 2,000 volumes on the shelves, including deposits, and receives regularly twenty-eight periodicals. Notwithstanding the size of the room, there has not always been sufficient accommodation for readers, and the circulation for the month of January was 4,585 volumes, which is greater than that of some branches.

From considerations of location, Station N, 200 Blue Hill avenue, was discontinued on June 1. It was opened again, however, in August, at the corner of Dudley and Magazine streets, in consequence of an offer made by the Catholic Young Men's Association of St. Patrick's Church, to provide rooms, light, heat, and janitor service. The Library furnishes the custodian, the books and the transportation. The location is of the best, at the junction of several important thoroughfares, and within the limits of Ward 17, which was destitute of Library agencies. The use has been very satisfactory, rising to more than 2,400 volumes for one month.

Owing to a change of quarters by the Boys' Institute of Industry, Station S was removed to an adjacent building on the corner of Tremont and Ruggles streets. Here it occupies a store of large dimensions on the ground floor, leased by the Library. Many more readers can be accommodated than in the old quarters. The station is still in close touch with the Boys' Institute, and that institution provides for the janitor work and the heating. The reading room is often more than comfortably filled, and the circulation shows a substantial increase. The station has now larger opportunities, but it very much needs more books.

The use of Station W in the North End has increased, as is partly shown by the increase of 5,293 volumes in the



ROSLINDALE READING ROOM (OPENED, DEC. 29, 1900).

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number of books issued, and the work done in interesting children has been remarkable.

The constituency of Station U, at Union Park street, is growing, and the issue of books for home use shows an increase of 5,000 volumes.

I called attention to the fact last year that Stations S, U, and W were successful instances of coöperation between the Library and other institutions, and Station N must now be added to this list. Probably no one of these stations could have been established had not the Trustees of the Library received an offer to share in the expense. The coöperation which was promised has been accompanied in every case by a continuous interest in the work, and it seems probable that the arrangement has been satisfactory to the givers as well as to the Library.

New or better provision for several parts of the City has thus been made during the year, but in order that no considerable district may be without a delivery station, if not a reading room, much remains to be done. Wards 1 and 19 are not provided for, and although Station N has been moved into Ward 17, there is a populous district lying between it and Station U which ought to have a station. The claims of Grove Hall are stronger since the removal of Station N. Codman square, Dorchester, is a centre of importance, where a reading room is very necessary. The locations of the delivery stations in Dorchester were chosen with reference to the steam railroads, and the changes produced by the electric railways make some readjustment desirable. Upham's Corner needs a reading room in place of its shop station; and there are other districts which have asked for consideration, and not wholly without reason.

Stations P (Broadway Extension) and S (Tremont street) have been open on Sunday as in past years, and have had an increased attendance and circulation. Other service stations might be opened on Sunday with advantage.

It has been arranged that the four shop stations G, M, R, and T, which are in drug stores, shall regularly issue books on Sunday.

The daily use of Station P, the Broadway Extension Reading Room, has so increased this year, especially on the part of men, that lack of space is a serious problem. Larger quarters are needed where the school children who come for reference work will not disturb the adult readers.

Deposits from the Central Library have been enlarged at stations A, H, K, M, N, Q, R, T, and W, and deposits have been sent for the first time from the Brighton Branch to

Station G, from Dorchester to Station A, and from the South Boston Branch to Stations M and Y.

A few reference books have been placed at the stations, but many more are needed. Every shop station should have at least a dictionary, encyclopædia, and atlas, while stations like N, S, U, and W should be supplied with a collection of 50 or 100 volumes. At the reading rooms additions to the existing sets of reference books are desirable.

Circulation. — The total circulation of the stations, schools, institutions and engine-houses is 338,246 volumes as against 289,315 volumes in 1899, a gain of seventeen per cent. Every station but one has increased in circulation.

Other Agencies. — Six engine-houses and ten schools have been added this year, and one institution, the Guild of St. Elizabeth, has received a deposit of 200 volumes. Books had previously been sent to the vacation school conducted by this guild, but the present deposit is a continuing one, and is kept at the guild house, 57 East Springfield street, where various clubs and industrial classes are conducted. The location is nearly midway between Station U and Station N, remote from either, and the books are thoroughly used. To the monthly delivery to the officers of the Long Island Alms-house are added books in raised type, for the blind among the inmates.

In the summer a special effort was made to give every vacation school of importance in the City an opportunity to receive books, and deposits were sent to 27 schools or playgrounds. It is believed that no important schools were overlooked, though a few did not need books.

Distribution of Periodicals. — The periodicals not needed for binding which have been distributed to City institutions number 17,552.

Respectfully submitted,

LANGDON L. WARD.

(C.)

DEATHS AND RESIGNATIONS, 1900-1901.

NAME.	Department.	Entered Service.	Discontinued.
Edward F. Barry	Bates Hall.....	March 28, 1890.	Died May 4, 1900.
Thomas H. Kenney...	Jamaica Plain Branch..	Nov. 5, 1897....	Resigned May 18, 1900.
Louise L. Desmond...	Issue	May 1, 1895....	Resigned July 5, 1900
Robert E. St. Louis...	Ordering	Jan. 4, 1897...	Died June 21, 1900.
Margaret D. Whitney.	Special Libraries	Oct. 24, 1898....	Resigned June 22, 1900.
John L. McKiernan...	Issue.....	Oct. 10, 1896....	Resigned July 4, 1900.
Otto E. Zaugg.....	Bates Hall.....	April 22, 1895..	Resigned Aug. 1, 1900.
James L. Maguinness.	Periodical.....	Jan. 22, 1897...	Resigned Aug. 15, 1900.
Clyde Therrien.....	Special Libraries	Oct. 28, 1899....	Resigned Aug. 20, 1900.
Samuel Chavies.....	Janitor.....	Jan. 27, 1899....	Resigned Sept. 12, 1900.
Arthur E. F. Smith ...	Ordering.....	March 26, 1897.	Resigned Oct. 15, 1900.
Robert J. Doherty	Periodical.....	Nov. 12, 1900...	Resigned Dec. 25, 1900.
Alice F. Sumner	South Boston Branch...	Nov. 4, 1897....	Resigned Dec. 24, 1900.
Louise Imogen Guiney	Catalogue.....	June 1, 1900....	Resigned Dec. 28, 1900.
Joseph A. Lucid.....	Issue.....	Sept. 3, 1895....	Resigned Jan. 30, 1901.

REPORT OF THE EXAMINING COMMITTEE FOR 1900-1901.

To the Trustees of the Boston Public Library:

GENTLEMEN,—The Examining Committee for the year 1900-1901 met on May 18, 1900, and organized by the choice of Samuel Wells as chairman, and Mrs. Mary E. Blake as secretary. At the request of the committee, the chairman appointed the following sub-committees:

On Administration.

Samuel Wells, William F. Apthorp, James C. Davis,	Francis H. Brown, Mrs. Darwin E. Ware.
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On Books.

Mrs. Mary E. Blake, Rev. G. A. Gordon, D.D., Miss Sarah Orne Jewett,	Charles F. Donnelly, Rev. Edward A. Horton, John Noble.
--	---

On Branches and New Modes of Distribution.

William L. Parker, James W. Dunphy, Rev. Robert F. Johnson, Miss Frances Turner.	Very Rev. William Byrne, Hon. Joseph D. Fallon, Mrs. Henry H. Sprague,
---	--

On Catalogues, Bulletins and Finding Lists.

George Putnam, Mrs. William C. Collar, Thomas J. Gargan,	Thomas M. Babson, James W. Dunphy, Frank S. Mason.
--	--

On Finance.

Francis L. Higginson, Henry R. Reed,	James C. Davis, William L. Parker, Horace G. Wadlin.
---	--

On Printing and Binding.

D. Berkeley Updike, Rev. W. Dewees Roberts,	John H. Colby, Miss Maria E. Wood.
--	---------------------------------------

These sub-committees held frequent meetings and carefully considered the subjects especially referred to them, and through the chairman of each sub-committee, made separate reports to the general committee.

The Committee on Books recommends an increase in the department of French literature, and the addition of important editions now lacking. It advises for the better equipment of this collection, that a new list be made, the present one being dated 1892, and that the numbers be re-examined and rearranged so that such books can be made more available.

They find the present collection of books in the Spanish language unsatisfactory and insufficient, and think that an attempt should be made to meet the growing demand for works which will afford information upon the history and political condition of Spain and her colonies, matters which, owing to our recent national experiences, are of increasing interest to the public. They advise an increase in reference books of travel for the information of individuals planning journeys, and a more complete collection of the Baedeker guide-books, now recognized as standard authorities.

They also recommend attention to publications relating to public and private transactions in American life, which in the future will prove valuable to the historian studying the domestic, social, and religious life of the past.

They repeat the request made in the past year by the Trustees for an increase in the appropriation for the bindery, as suitably bound books can be circulated with greater readiness and safety than those unbound, or badly bound.

They fully endorse the position heretofore taken by the Trustees that the fines collected for the retention of books overtime should be used for the benefit of the Library, and call attention to the fact that from this source during the past year \$5,000 was paid into the general fund of the City Treasury, which should have been available for the repair of old books or the purchase of new ones.

They call attention to the accumulation of books of fiction on account of the purchase of large numbers of each new novel to meet a temporary demand due to a desire for novelty and the gratification of curiosity. A very large number of such books having met a fleeting demand, now occupy space that can be more usefully employed. The committee noticed, as an example, more than thirty copies of one of the novels of Dumas resting in an alcove of retired books.

The Committee on Catalogues, Bulletins and Printing recommends the substitution of a drawer with a single rod for the double rod system now used in the card catalogues, believing that the convenience and durability of such a system would shortly make it less expensive than the present method. Another desired improvement is the introduction into the official card catalogue of all the titles in the old printed catalogues; this is being gradually accomplished, but it should be hastened to completion for the

benefit of the administration and the quick determination of the question whether a book offered for sale is not already in the Library.

The committee notices with praise as a cataloguing work the annual catalogues of additions compiled from the monthly bulletins, but doubts whether it is of sufficient general usefulness to warrant the large expense of its publication.

The Committee on Branches and Distribution of Books, after a careful examination of the several branches and stations, advises that they should be kept open until 10 o'clock in the evening on week days and during a portion of Sunday.

They suggest that the question of fines should be considered with a view to greater liberality, as they have ascertained that in several districts parents have refused to permit their children to take out cards from fear of fines. The work of the Branch Department in connection with the Public Schools is growing in importance, and this work should be encouraged. They find need of more room in the East Boston and Dorchester Branches, and consider that the accommodations in the Charlestown and South End Branches are inadequate. All the branches and stations are, however, in excellent condition, and the custodians are competent and able.

The Committee on Administration notes with satisfaction the increase in the distribution of books due to the establishment of new branches and stations, by which the usefulness of the Library is greatly improved and expanded, much to the advantage of pupils in the Public Schools. These pupils and their teachers have derived real benefit from the use of a large room especially arranged for them. The Lecture room has also extended their opportunities for education by giving them the privilege of hearing lectures illustrated by books, engravings and photographs.

The method of appointment in case of vacancies in the force of assistants is approved by this committee. Positions in the service of the Library are much sought for, and the number of applications is large. All candidates are obliged to file applications for the position desired and to submit to a written examination. The questions used for this purpose have been considered by the committee and found well adapted to disclose the educational qualifications of the applicant.

The Committee on Finance makes the following recommendation with reference to branch libraries at Charlestown and East Boston :

“Your committee does, however, warmly recommend that if any appropriation be made for such branches, that the said appropriation be placed in the hands of the Trustees of the Public Library for them to use according to their best judgment. In this way better sites and more conveniently arranged buildings could undoubtedly be obtained at less cost to the City than by any other method.”

The Committee on Printing and Binding made a careful examination of the conditions governing this department. They find

that the work being done by the linotypes in making catalogues is not progressing as rapidly as it should, the catalogue cards being 10,000 behind on current books, and the Allen A. Brown Music Library has still 20,000 cards to be printed.

They advise the immediate cataloguing of current books in order that the public may be efficiently served, also an increase in the facilities of this department. To accomplish this purpose they recommend the purchase of a new linotype and the employment of a workman to operate it.

They find the bindery in admirable working order and have no recommendations to make in regard to it.

They desire to acknowledge the extreme courtesy and attention with which their investigations were met.

Respectfully submitted on behalf of the Examining Committee.

(Signed) SAMUEL WELLS,
Chairman.

MARY ELIZABETH BLAKE,
Secretary.

APPENDIXES.

1900.

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APPENDIX I.

FINANCE.

BOSTON PUBLIC LIBRARY,
AUDITING DEPARTMENT, February 1, 1901.

To the Trustees:

GENTLEMEN,—The undersigned herewith presents a statement of the receipts and expenditures of the Library Department for the financial year beginning February 1, 1900, and ending January 31, 1901; also, a statement concerning the trust and other funds, statements covering special appropriations, and a statement of expenditures on account of the branches for the twelve years ending 1900–1901.

Respectfully,

A. A. NICHOLS,

Auditor.

RECEIPTS.

Appropriation, 1900–1901	\$290,766 10	
Income from trust funds:		
Balance from 1899–1900	\$6,156 10	
During the year	11,691 29	
		17,847 39
London accounts:		
Balance in hands of J. S. Morgan & Co., February 1, 1900:		
Trust funds income	\$10,579 13	
City appropriation	9,461 22	
During the year	1,500 00	
Interest	455 09	
		\$21,995 44
Balance in hands of Baring Bros. & Co.	72 75	
		22,068 19
Gifts:		
From Godfrey M. Hyams, unexpended February 1, 1900	\$28 74	
Carried forward	\$28 74	\$330,681 68

<i>Brought forward</i>	.	.	.	\$28 74	\$330,681 68
From J. W. Dunphy, unexpended					
February 1, 1900	.	.	.	15 68	
From Boston Numismatic Society,					
unexpended February 1, 1900	.			216 60	
From Lilian Whiting, unexpended					
February 1, 1900	.	.	.	2 00	
From Elizabeth Lewis,					
unexpended February					
1, 1900	.	.	.	\$0 01	
During the year	.	.	.	200 00	
				200 01	
From Andrew Carnegie	.	.	.	100 00	
From Old South Society	.	.	.	15 00	
					578 03
Exchange account :					
Lost books, sales of duplicates, etc. :					
Balance from 1899-1900	.	.	.	\$1,569 85	
During the year	.	.	.	283 90	
					1,853 75
Interest on bank deposit	.	.	.		1,739 78
					\$334,853 24

EXPENDITURES.

General Library accounts, including the cost of maintaining branches :					
Salaries :					
General administration	\$141,201 87				
Sunday and evening force	.	.	.	18,400 37	
					\$159,602 24
Books :					
City appro- priation,	\$19,178 03				
City appro- priation, London account,	3,264 64				
Periodi- cals, London account,	5 00				
				\$22,447 67	
Trust funds income, including London account	.	.	.	12,539 96	
					34,987 63
<i>Carried forward</i>	.	.	.	\$194,589 87	\$334,853 24

<i>Brought forward</i>	.	.	.	\$194,589 87	\$334,853 24
Newspapers :					
Todd fund	.	.	.	2,108 30	
Periodicals	.	.	.	5,597 79	
Binding :					
Salaries	.	.	\$14,830 47		
Stock	.	.	2,282 57		
Equipment	.	.	118 80		
Contract work	.	.	11,393 92		
“ (British patent specifications.)	.	.	197 58		
				28,823 34	
Printing :					
Salaries	.	.	\$5,005 54		
Stock	.	.	2,237 96		
Equipment	.	.	299 10		
Contract work	.	.	1,046 78		
				8,589 38	
Furniture and fixtures	.	.		11,837 47	
Gas	.	.		1,568 70	
Electric lighting	.	.		2,393 13	
Cleaning	.	.		7,333 78	
Small supplies	.	.		2,495 63	
Stationery	.	.		2,434 95	
Rent of branches and reading-rooms	.	.		5,215 01	
Fuel	.	.		11,899 32	
Repairs	.	.		10,964 01	
Freights and cartage	.	.		1,153 74	
Transportation between Central Library, branches and delivery stations	.	.		3,488 63	
Delivery stations, rent and services	.	.		4,184 51	
Water-rates	.	.		481 60	
Telephone service	.	.		256 20	
Postage and telegrams	.	.		1,171 85	
Typewriting	.	.		7 80	
Travelling expenses	.	.		451 45	
Grounds	.	.		8 12	
Stereopticon	.	.		293 00	
Stenographic report of lectures, etc.	.	.		29 00	
Premium on surety bond	.	.		5 00	
Remittance to J. S. Morgan & Co., London	.	.		1,500 00	
Books : Boston Numismatic Society gift	.	.	\$88 97		
Books : J. W. Dunphy gift,			3 46		
Books : Godfrey M. Hyams gift	.	.	28 74		
Books : Elizabeth Lewis gift,			80 45		
Books : Andrew Carnegie gift	.	.	86 14		
<i>Carried forward,</i>			\$287 76	\$308,881 58	\$334,853 24

<i>Brought forward</i>	.	\$287 76	\$308,881 58	\$334,853 24
Books: Old South Church				
Society gift	.	15 00		
Lilian Whiting gift	.	2 00		
			304 76	
				309,186 34
Balance	.	.	.	<u>\$25,666 90</u>

The balance is made up of the following items, viz.:

Cash in City Treasury:

Income from Trust funds \$7,559 69

Cash on deposit in London:

In hands of J. S. Morgan & Co.:

Trust funds . . . \$6,481 05

General funds . . . 7,686 61

\$14,167 66

In hands of Baring Bros. & Co.:

General funds 72 75

14,240 41

Cash on deposit with New England Trust Co., and on hand:

Unexpended of donations carried to account of 1901-1902:

Boston Numismatic Society . . \$127 63

J. W. Dunphy 12 22

Elizabeth Lewis 119 56

Andrew Carnegie 13 86

273 27

Exchange account: lost books, etc. . . 1,853 75

Interest on bank deposit 1,739 78

\$25,666 90

GENERAL APPROPRIATION.

Comparative Statement for Fiscal Years ending January 31, 1899, 1900 and 1901.

	1898-99.	1899-1900.	1900-1901.
Salaries: General administration.....	\$128,109 74	\$133,886 00	\$141,201 87
“ Sunday and evening force.....	17,166 98	18,542 37	18,400 37
Binding: Salaries.....	12,607 57	13,213 02	14,830 47
“ Stock.....	1,499 48	1,715 99	2,282 57
“ Contract work.....	2,918 46	2,752 46	11,393 92
“ Equipment.....	419 66	55 27	118 80
Books.....	14,188 45	12,691 00	19,178 03
Periodicals.....	5,898 24	5,819 40	5,597 79
Furniture and fixtures.....	5,931 74	8,980 68	11,837 47
Gas.....	1,825 14	1,464 30	1,568 70
Electric lighting.....	1,968 74	2,182 92	2,393 13
Supplies.....	2,416 13	1,620 44	2,484 00
Cleaning.....	7,404 85	7,121 56	7,333 78
Printing: Equipment.....	1,068 02	1,025 62	299 10
“ Stock.....	2,601 24	2,000 04	2,237 96
“ Contract work.....	1,547 31	1,196 57	1,046 78
“ Salaries.....	4,806 19	4,783 49	5,005 54
Stationery.....	2,023 91	1,855 90	2,434 95
Typewriting.....	261 83	228 05	7 80
Fuel.....	6,789 78	8,175 54	11,899 32
Rents.....	5,600 00	5,620 00	5,215 01
Repairs.....	7,079 41	5,354 68	10,964 01
Freights and cartage.....	751 66	802 88	1,153 74
Transportation between Central Library and branches.....	3,573 17	3,568 23	3,488 63
Delivery stations.....	4,030 40	4,025 24	4,184 51
Travelling expenses.....	495 90	443 28	451 45
Postage and telegrams.....	1,054 52	898 61	1,171 85
Water rates.....	1,718 60	1,914 80	481 60
Telephone service.....	334 60	348 67	256 20
Miscellaneous expense.....	300 00	675 27	338 25
Advertising.....	326 75	2 40	38
Insurance.....	135 00	.....	.....
Grounds.....	2 40	6 75	8 12
Remittance to J. S. Morgan & Co., London..	.....	2,028 57	1,500 00
	\$246,855 87	\$255,000 00	\$290,766 10

The cost of maintaining the branches makes part of the general items of the several appropriations:

Cost of branches, 1898-99	.....	\$59,913 71
“ “ 1899-1900	.....	60,295 93
“ “ 1900-1901	.....	72,428 91

The amount expended for newspapers, books and binding (not included above) paid from trust funds and City money in the hands of London bankers:

For 1898-99	.....	\$8,782 84
“ 1899-1900	.....	6,604 35
“ 1900-1901	.....	7,827 78

The amount expended for books, newspapers and photographs (not included above), paid from trust funds in the hands of City Treasurer:

1898-99	.....	\$8,271 41
1899-1900	.....	8,270 66
1900-1901	.....	10,287 70

SPECIAL APPROPRIATIONS.

Library building, Dartmouth street, balance of appropriation, February 1, 1900	\$85,434 70
Payments on account:	
Architects' services, McKim, Mead and White	\$6,606 76
Statuary, Augustus Saint Gaudens	2,000 00
	<u>8,606 76</u>
Balance, February 1, 1901	<u>\$76,827 94</u>

This balance will be required to settle outstanding contracts.

Library building, furnishing, balance of City appropriation February 1, 1900	<u>\$4,821 81</u>
Branch library, Broadway Extension, improvements, balance of appropriation February 1, 1900	\$3,010 92
Payments on account:	
Books	<u>435 23</u>
Balance February 1, 1901	<u>\$2,575 69</u>
Bust of Gen. Walker:	
Balance February 1, 1900	\$1,200 00
Payment:	
Richard Edwin Brooks	<u>1,200 00</u>

LONDON ACCOUNTS.

	Balances from 1899-1900.	Remittances and Interest 1900-1901.	Total Credits.	Expendi- tures, 1900-1901.	Balances to 1901-1902.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
J. S. Morgan & Co.,	4,118 12 11	308 6 6	4,520 12 3	1,612 6 5	2,908 5 10
J. S. Morgan & Co., interest .....	.....	93 12 10			
Baring Bros. & Co.,	15 0 0	.....	15 0 0	.....	15 0 0
	<u>4,133 12 11</u>	<u>401 19 4</u>	<u>4,535 12 3</u>	<u>1,612 6 5</u>	<u>2,923 5 10</u>

STATEMENT OF TRUST FUNDS.

GIVER.	Principal.	Balances from 1899-1900.	Income, 1900-1901.	Total Credits to date.	Expenditures, 1900-1901.	Balances unexpended.	Over- expended.
1. Joshua Bates.....	\$50,000 00	\$579 93	\$2,000 00	\$2,579 93	\$1,900 51	\$679 42	
2. Jonathan Phillips.....	30,000 00	2,013 07	1,600 00	3,613 07	1,704 58	1,908 49	
3. Abbott Lawrence.....	10,000 00	686 24	600 00	1,286 24	576 01	710 23	
4. Charlotte Harris.....	10,000 00	4,218 18	400 00	4,618 18	629 54	3,988 64	
5. Henry L. Pierce	5,000 00	360 16	200 00	560 16	93 51	466 65	
6. Mary P. Townsend.....	4,000 00	646 05	140 00	786 05	851 02	.....	\$64 97
7. George Ticknor.....	4,000 00	248 45	160 00	408 45	160 71	247 74	
8. John P. Bigelow.....	1,090 00	197 37	40 00	237 37	55 54	181 83	
9. Franklin Club.....	1,000 00	149 25	40 00	189 25	4 23	185 02	
10. Samuel A. Green.....	2,000 00	290 52	95 00	385 52	161 55	223 97	
11. South Boston	100 00	.....	4 00	.....	.....	.....	*23 03
12. Arthur Scholfield.....	50,000 00 }	3,032 24	2,472 00	5,504 24	4,352 61	1,151 63	
13. Joseph Scholfield.....	11,800 00 }						
14. Thomas B. Harris....	1,000 00	201 85	40 00	241 85	65 93	175 92	
15. Daniel Treadwell.....	6,950 00	655 45	547 50	1,202 95	394 60	808 35	
16. Edward Lawrence	500 00	95 11	20 00	115 11	.....	115 11	
17. J. Ingersoll Bowditch	10,000 00	1,308 85	350 00	1,658 85	516 25	1,142 60	
18. Family of Charles Greely Loring.....	500 00	80 00	20 00	100 00	... ..	100 00	

* Over-expenditure of previous years \$27.03, less amount of income for 1900.

STATEMENT OF TRUST FUNDS. -- Concluded.

GIVER.	Principal.	Balances from 1899-1900.	Income, 1900-1901.	Total Credits to date.	Expenditures, 1900-1901.	Balances unexpended.	Over- expended.
19. Charles Mead.....	\$2,500 00	\$300 00	\$100 00	\$400 00	.....	\$400 00	
20. Victorine T. Artz.....	10,000 00	818 09	400 00	1,218 09	\$769 98	448 11	
21. Papyrus Club.....	1,000 00	81 25	40 00	121 25	1 82	119 43	
22. Twentieth Regiment Association.....	5,000 00	239 43	200 00	439 43	263 80	175 63	
23. William C. Todd.....	50,000 00	.....	2,000 00	2,000 00	2,108 30	.....	*127 87
24. Caleb D. Bradlee.....	1,000 00	70 00	35 00	105 00	.....	105 00	
25. Friends of Henry Sargent Codman (Me- morial Fund).....	2,800 00	41 29	98 00	139 29	37 77	101 52	
26. Dantel S. Ford.....	6,000 00	.....	89 79	89 79	.....	89 79	
	\$276,150 00	\$16,312 78	\$11,691 29	\$28,000 07	\$14,648 26	\$13,525 08	\$215 87

*Includes over-expenditure of previous year, \$19.57.

GENERAL EXHIBIT OF APPROPRIATIONS, SOURCES OF REVENUE AND OTHER FUNDS.

LIBRARY DEPARTMENT.

	Balances from 1899-1900.	Revenue Received Dur- ing the Year 1900-1901.	Appropriation.	Total Credits.	Expenditures for 1900-1901.	Balances to 1901-1902.
Library building, Dartmouth street.....	\$85,434 70	.....	.....	\$85,434 70	\$8,606 76	\$76,827 94
Library building, furnishing	4,821 81	.....	.....	4,821 81	.....	4,821 81
General Library.....	.....	.....	\$290,766 10	290,766 10	* 290,766 10	.....
Trust funds income.....	6,156 10	.....	.....	17,847 39	10,287 70	7,559 69
Branch Library, Broadway Extension, improvements.....	3,010 92	.....	.....	3,010 92	435 23	2,575 69
Bust of General Walker.....	1,200 00	.....	.....	1,200 00	.....	.....
Exchange account: lost books, sales of duplicates, etc.....	1,569 85	283 90	.....	1,853 75	.....	1,853 75
Elizabeth Lewis	01	200 00	.....	200 01	80 45	119 56
Boston Numismatic Society	216 60	.....	.....	216 60	88 97	127 63
Lilian Whiting.....	2 00	.....	.....	2 00	.....	.....
J. W. Dunphy gift.....	15 68	.....	.....	15 68	3 46	12 22
Godfrey M. Hyams gift.....	28 74	.....	.....	28 74	28 74	.....
Codman memorial fund.....	† 2 00	.....	.....	2 00	.....	.....
Andrew Carnegie.....	.....	100 00	.....	100 00	86 14	13 86
Old South Church Society.....	.....	15 00	.....	15 00	15 00	.....
J. S. Morgan & Co. (Trust funds).....	10,579 13	262 48	.....	10,841 61	4,360 56	6,481 05
J. S. Morgan & Co. (General funds).....	9,461 22	1,692 61	.....	11,153 83	3,467 22	7,686 61

* This amount includes the sum of \$1,500 transmitted to J. S. Morgan & Co., December, 1900.
† This amount was paid to the City Treasurer for investment.

RECEIPTS FROM FINES, SALES OF CATALOGUES, LOST CARDS, ETC.

	1900-1901.
Fines.	\$4,621 45
Catalogues.....	276 52
Lost cards.....	65 85
Auction sales.....	11 67
Pay telephone station, commission.....	18 24
Money found	1 98
Total amount paid to City Collector.....	\$4,995 71

LIBRARY TRUST FUNDS.

BIGELOW FUND. — This is a gift from the late JOHN P. BIGELOW of Boston, in August, 1850, when Mayor of the City.

The income from this fund is to be appropriated to the purchase of books for the increase of the Library.

Invested in one City of Boston Four per cent. Bond, for . \$1,000 00

Payable to the Chairman of the Committee on the Public Library for the time being.

BATES FUND. — This is a gift from the late JOSHUA BATES of London, in March, 1853.

Invested in one City of Boston Four per cent. Bond, for . \$50,000 00

“ The income only of this fund is to be, each and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful.” Payable to the Mayor of the City for the time being.

BOWDITCH FUND. — This is the bequest of J. INGERSOLL BOWDITCH of Boston. Received January, 1890.

Invested in one City of Boston Three and one-half per cent. Bond, for \$10,000 00

The whole income in each and every year to be expended in the purchase of books of permanent value and authority in mathematics and astronomy.

PHILLIPS FUND. — This is a gift from the late JONATHAN PHILLIPS of Boston, in April, 1853.

Invested in one City of Boston Four per cent. Bond, for . \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said Library.

Also a bequest in his will, dated September 20, 1849.

Invested in one City of Boston Six per cent. Bond, for . \$20,000 00

The interest on this fund is to be annually devoted to the maintenance of a Free Public Library.

ABBOTT LAWRENCE FUND. — This is the bequest of ABBOTT LAWRENCE of Boston. Received May, 1860.

Invested in one City of Boston Six per cent. Bond, for . \$10,000 00

The interest on this fund is to be exclusively appropriated for the purchase of books for the said Library, having a permanent value.

EDWARD LAWRENCE FUND. — This is the bequest of EDWARD LAWRENCE of Charlestown. Received May, 1886. The following clause from his will explains its purpose:

“ To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference to be kept and used only at the Charlestown Branch of said Public Library.”

Invested in one City of Boston Four per cent. Bond, for . \$500 00

PIERCE FUND. — This is a gift from HENRY L. PIERCE, Mayor of the City, November 29, 1873, and accepted by the City Council, December 27, 1873.

Invested in one City of Boston Four per cent. Bond, for . . . \$5,000 00

TOWNSEND FUND. — This is a gift from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they may think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the purchase of books for the use of the Library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased." Received April, 1879.

Invested in one City of Boston Three and one-half per cent.

Bond, for \$4,000 00

TICKNOR BEQUEST. — By the will of the late GEORGE TICKNOR, of Boston, he gave to the City of Boston, on the death of his wife, all his books and manuscripts, in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. After the receipt of said sum, the City is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (*i.e.*, the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature, five years old in some one edition. At the end of twenty-five years the income of said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese language, or in such other languages as may be deemed expedient by those having charge of the Library. These books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the Library building. If these bequests are not accepted by the City, and the trusts and conditions faithfully executed, the books, manuscripts and money are to be given to the President and Fellows of Harvard College.

In order that the City might receive the immediate benefit of this contribution, Anna Ticknor, widow of Mr. Ticknor, relinquished her right to retain during her life the books and manuscripts, and placed them under the control of the City, the City Council having previously accepted the bequests in accordance with the terms and conditions of said will, and the Trustees of the Public Library received said bequests on behalf of the City, and made suitable arrangements for the care and custody of the books and manuscripts. Received April, 1871.

Invested in one City of Boston Four per cent. Bond, for . . . \$4,000 00

FRANKLIN CLUB FUND. — This is a gift, made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the association, authorized its trustees, Thomas Minns, John J. French and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: "In trust that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value for the use of the free Public Library of the City, and as far as practicable, of such a character as to be of special interest to young men." The Trustees expressed a preference for books relative to Government and Political Economy Received June, 1863.

Invested in one City of Boston Four per cent. Bond, for . . . \$1,000 00

SOUTH BOSTON BRANCH LIBRARY TRUST FUND. — Gift of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library. Received September, 1879.

Invested in one City of Boston Four per cent. Bond, for . \$100 00

CHARLES GREELY LORING MEMORIAL FUND. — This is a gift from the family of Charles Greely Loring, the income of which is to be expended for the purchase of books for the West End Branch. Received January, 1896.

Invested in one City of Boston Four per cent. Bond, for . \$500 00

CHARLES MEAD PUBLIC LIBRARY TRUST FUND. — Received from Charles Mead, executor of the estate of Charles Mead, the amount of legacy of the late Charles Mead, to constitute the "CHARLES MEAD PUBLIC LIBRARY TRUST FUND," for the promotion of the objects of the Public Library, in such manner as the government of said Library shall deem best, and so far as the government shall deem consistent with the objects of the Library, to be used for the benefit of the South Boston Branch Library. Received October, 1896.

Invested in one City of Boston Four per cent. Bond, for . \$2,500 00

ARTZ FUND. — This is a gift made in November, 1896, by Miss VICTORINE THOMAS ARTZ of Chicago; the income "to be employed in the purchase of valuable rare editions of the writings, either in verse or prose, of American and of foreign authors." These books are to be known as the "Longfellow Memorial Collection."

Invested in one City of Boston Four per cent. Bond, for . \$10,000 00

JOHN BOYLE O'REILLY MEMORIAL FUND. — This fund was received from the members of the Papyrus Club, May, 1897. The income thereof is to be expended for the purchase of books in memory of their late member, JOHN BOYLE O'REILLY.

Invested in one City of Boston Four per cent. Bond, for . \$1,000 00

TWENTIETH REGIMENT MEMORIAL FUND. — This is a gift made in April, 1897, by the Association of Officers of the Twentieth Massachusetts Volunteer Infantry. It is to be used for the purchase of books of a military and patriotic character, to be placed in the alcove appropriated as a Memorial of the Twentieth Regiment.

Invested in one City of Boston Four per cent. Bond, for . \$5,000 00

TODD FUND. — This is a gift made in October, 1897, by WILLIAM C. TODD of Atkinson, New Hampshire. The income is to be expended annually in payment for such current newspapers of this and other countries as the board of officers for the time being having charge of the Public Library of the City of Boston shall purchase.

Invested in one City of Boston Four per cent. Bond, for . \$50,000 00

BRADLEE FUND. — A bequest of the Rev. CALEB DAVIS BRADLEE, D.D., of Boston, to the Boston Public Library. Received November, 1897.

Invested in one City of Boston Three and one-half per cent.

Bond \$1,000 00

HENRY SARGENT CODMAN MEMORIAL FUND.—This is a contribution from the friends of the late Henry Sargent Codman, to be used to perpetuate the memory of Mr. Codman by the purchase of books upon landscape gardening. Received January, 1898.

Invested in one City of Boston Three and one-half per cent.

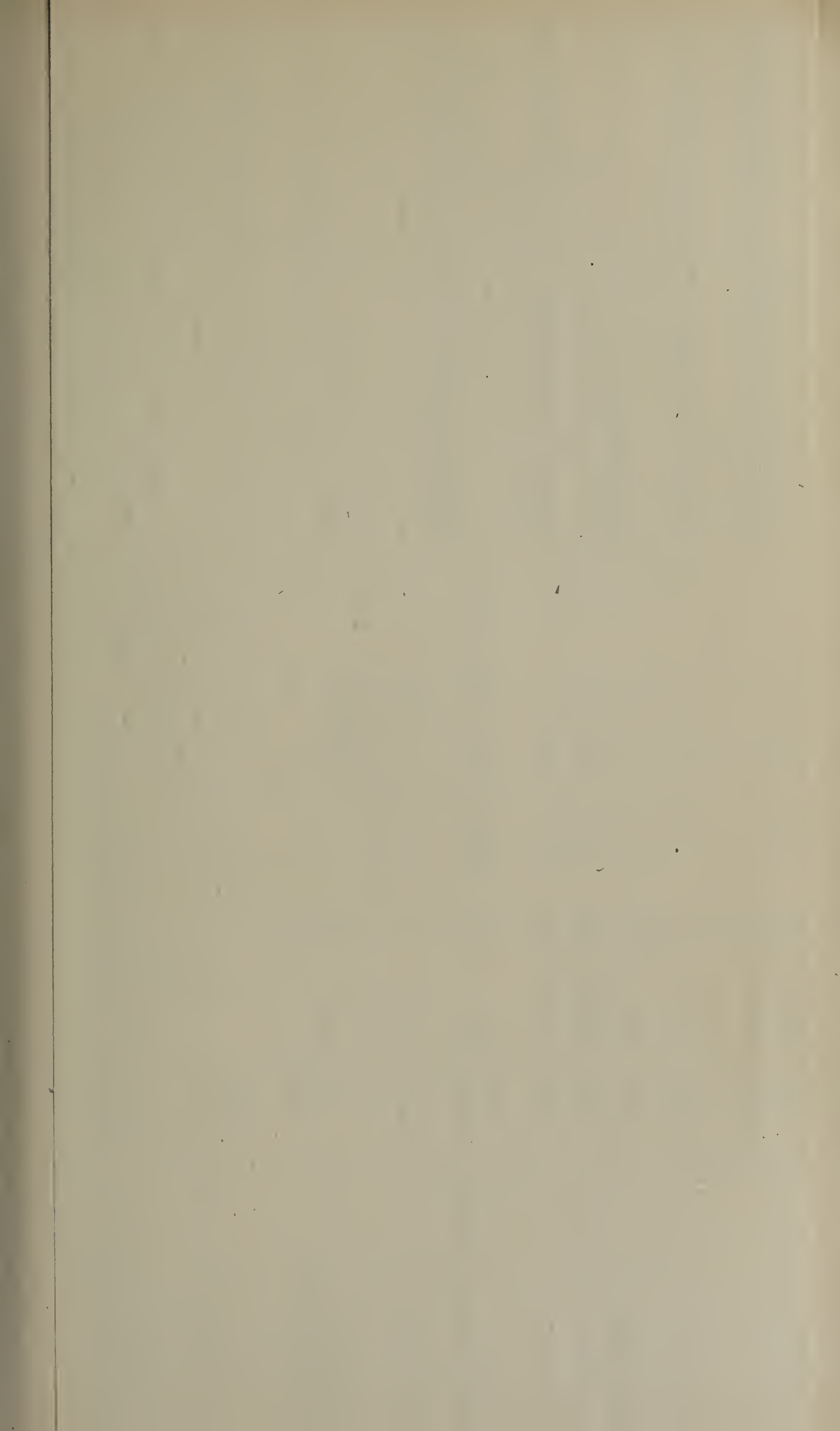
Bond	\$2,800 00
Cash in City Treasury, January 31, 1901	54 41
	<u>\$2,854 41</u>

FORD FUND.—A bequest of Daniel Sharp Ford to the Public Library of the City of Boston. Received June, 1900.

Invested in one City of Boston Three per cent. Bond for \$6,000 00

RECAPITULATION OF PUBLIC LIBRARY TRUST FUNDS.

Scholfield Fund	\$61,800 00
Bates Fund	50,000 00
Todd Fund	50,000 00
Phillips Fund	20,000 00
Phillips Fund	10,000 00
Bowditch Fund	10,000 00
Charlotte Harris Fund	10,000 00
Abbott Lawrence Fund	10,000 00
Treadwell Fund	10,487 69
Artz Fund	10,000 00
Twentieth Regiment Memorial Fund	5,000 00
Pierce Fund	5,000 00
Townsend Fund	4,000 00
Ticknor Fund	4,000 00
Charles Mead Fund	2,500 00
Green Fund	2,000 00
Bigelow Fund	1,000 00
Thomas B. Harris Fund	1,000 00
Franklin Club Fund	1,000 00
John Boyle O'Reilly Memorial Fund	1,000 00
Bradlee Fund	1,000 00
Edward Lawrence Fund	500 00
Charles Greely Loring Memorial Fund	500 00
South Boston Branch Library Trust Fund	100 00
Codman Memorial Fund	2,854 41
Ford Fund	6,000 00
	<u>\$279,742 10</u>



LIBRARY TRUST FUNDS.—INVESTED IN CITY OF BOSTON BONDS.

GIVER.	Amount.	When received.	No. of Bond.	When due.	Income.	Provisions.
Joshua Bates ¹	\$50,000 00	March, 1853	8,104	April, 1913	\$2,000	To buy "books of permanent value."
Jonathan Phillips.....	{ 20,000 00 10,000 00	April, 1861 April, 1853	352 8,105	Jan'y, 1906 April, 1913	{ 1,600	{ "To the maintenance of a free public library." "Purchase of books."
Abbott Lawrence.....	10,000 00	May, 1860	281	July, 1905	600	Books having a permanent value.
Charlotte Harris.....	10,000 00	August, 1877	10,767	Oct., 1917	400	Books for Charlestown branch, published before 1850.
Henry L. Pierce ²	5,000 00	December, 1873	7,992	Jan'y, 1924	200	"Books of permanent value for the Bates Hall."
Mary P. Townsend.....	4,000 00	April, 1879	11,572	April, 1929	140	Books five years old in some one edition.
George Ticknor.....	4,000 00	April, 1879	2,068	Oct., 1920	160	Books in Spanish and Portuguese, five years old in some one edition.
John P. Bigelow ³	1,000 00	August, 1850	8,106	April, 1913	40	Purchase of books.
Franklin Club.....	1,000 00	June, 1863	1,224	Jan'y, 1914	40	Books of permanent value, preferably books on government and political economy.
Samuel A. Green.....	{ 1,000 00 500 00 500 00	November, 1878 April, 1884	{ 3,714 722 1,243	{ Oct., 1900 April, 1908 April, 1914	{ 50 20 15	{ Books relating to American history.
South Boston.....	100 00	September, 1879	5,596	July, 1919	4	For benefit of the South Boston Branch.
Arthur Scholfield.....	50,000 00	December, 1883	1,223	Oct., 1913	2,000	To be used for books of permanent value.
Joseph Scholfield.....	11,800 00	July, 1890	6,300	July, 1920	472	
Thomas B. Harris.....	1,000 00	April, 1884	1,244	April, 1914	40	For benefit of the Charlestown Branch.
Daniel Treadwell.....	{ 2,000 00 1,700 00 1,400 00 1,000 00 350 00 500 00	{ October, 1885 November, 1889 July, 1892 1894 January, 1896	{ 1,382 1,486 1,754 2,210 2,452 9,381	{ April, 1916 Oct., 1917 Nov., 1919 Oct., 1921 Oct., 1923 Jan'y, 1916	{ 271	{ To be expended by the Trustees in such manner as they may deem for the best interests of the Library.
Edward Lawrence.....	500 00	May, 1886	1,383	April, 1916	20	"To hold and apply the income and so much of the principal as they [the Trustees] may choose to the purchase of special books of reference to be kept and used only at the Charlestown Branch of said Public Library."
J. Ingersoll Bowditch.....	10,000 00	January, 1890	1,816	Jan'y, 1920	350	For "the purchase of books of permanent value and authority in mathematics and astronomy," to be added to the Bowditch collection.
Family of Charles Greely Loring }	500 00	January, 1896	9,479	Jan'y, 1916	20	Memorial Fund from the income of which books are to be bought for the West End Branch.
Charles Mead ⁴	2,500 00	October, 1896	10,304	Jan'y, 1917	100	"For the benefit of the South Boston Branch Library."
Victorine T. Artz.....	10,000 00	November, 1896	10,305	Jan'y, 1917	400	For the purchase of valuable and rare editions of the writings, either in verse or prose, of American and of foreign authors, "to be known as the Longfellow Memorial Collection."
Papyrus Club.....	1,000 00	May, 1897	10,531	July, 1917	40	John Boyle O'Reilly Memorial Fund "for the purchase of books."
Twentieth Regiment Association..	5,000 00	April, 1897	10,785	Oct., 1917	200	"For the purchase of books of a military and patriotic character, to be placed in the alcove appropriated as a Memorial of the Twentieth Regiment."
William C. Todd.....	50,000 00	October, 1897	10,890	Oct., 1927	2,000	The income to be expended annually for current newspapers of this and other countries.
Caleb D. Bradley, D.D.....	1,000 00	November, 1897	11,244	Jan., 1918	35	Unrestricted.
Friends of Henry Sargent Codman }	2,800 00	January, 1898	11,586	April, 1929	98	For the purchase of books upon landscape gardening.
Daniel S. Ford.....	6,000 00	June, 1900	12,288	July, 1930	180	For the purchase of books adapted to youth.
	\$276,150 00				\$11,495	

MEMORANDA.

¹ Joshua Bates, born near Boston, 1788, died in London, as the head of the house of Baring Brothers & Co., 1864. In addition to this fund, he gave \$50,000 worth of books to the Library.
² The gift of Mayor Pierce, previous to his retirement from office. The principal or interest may be expended as is deemed best.
³ This fund was a sum intended for a testimonial to Mr. Bigelow on retiring from the mayoralty, and was transferred by him to this purpose.
⁴ Legacy of the late Charles Mead, to constitute the "Charles Mead Public Library trust fund."

STOCKS AND CASH OTHER THAN CITY BONDS HELD BY TREADWELL FUND, PUBLIC LIBRARY.

SHARES.	Par value per Share.	Value per Share as received from Trustee.	Total as received from Trustee.		Income.	Remarks.
15 B. & A. R.R. Co.....	\$100 00	\$179 00	\$2,685 00	{ \$5,585 00	¹ \$132 00	April 5, 1887. The certificates of 9 shares of F. R.R. exchanged for a certificate of 12 shares preferred stock in same corporation, par value \$100. Total, \$1,200.
6 B. & Prov. R.R. Co.....	100 00	179 50	1,077 00		60 00	
9 Fitchburg R.R. Co.....	100 00	118 00	1,062 00		48 00	
1 Vt. & Mass. RR. Co.....	100 00	133 00	133 00		6 00	
Cash.....			88 00	Less 88 00		Less paid May 10, 1886, to City Collector, per order of Board of Trustees of Public Library.
				\$5,497 00		
1 B. & A. R.R. Co.....	100 00			100 00		
Cash in City Treasury.....				37 69		

¹ Includes income on the one share below.

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS, 1889-1901.

LIBRARY DEPARTMENT.

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	1889-90.	1890-91.	1891-92. (9 mos.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
EAST BOSTON.												
Salaries.....	\$2,649 15	\$2,643 83	\$1,878 10	\$2,588 49	\$2,528 49	\$2,835 31	\$2,814 68	\$2,891 92	\$2,849 07	\$3,099 05	\$3,256 21	\$3,353 69
Books.....	338 22	255 55	417 68	513 79	288 87	359 85	842 14	920 38	763 00	846 61	1,016 76	1,122 47
Expense.....	483 02	999 90	604 96	757 05	764 83	621 15	609 45	709 53	713 06	843 69	725 74	802 54
	\$3,470 39	\$3,899 28	\$2,900 74	\$3,859 33	\$3,582 19	\$3,816 31	\$4,266 27	\$4,521 83	\$4,325 13	\$4,789 35	\$4,998 71	\$5,278 70
SOUTH BOSTON.												
Salaries.....	\$3,057 13	\$2,904 60	\$2,306 95	\$3,389 11	\$2,996 30	\$3,271 93	\$3,249 45	\$3,498 40	\$3,626 70	\$3,681 64	\$3,918 48	\$3,991 71
Books.....	642 08	448 46	707 85	783 56	573 23	771 37	898 75	1,819 38	873 32	876 70	852 98	1,057 73
Expense.....	2,748 16	3,172 57	3,102 20	3,054 57	3,328 14	3,142 26	3,624 76	3,804 63	3,178 25	3,102 49	3,125 78	2,858 11
	\$6,447 37	\$6,525 63	\$6,117 00	\$7,227 24	\$6,897 67	\$7,185 56	\$7,772 96	\$9,122 41	\$7,678 27	\$7,660 83	\$7,897 24	\$7,907 55
ROXBURY.												
Salaries.....	\$3,336 47	\$3,154 69	\$2,301 35	\$3,382 30	\$3,121 85	\$3,262 95	\$3,161 55	\$3,447 72	\$3,475 98	\$3,380 47	\$3,578 40	\$3,658 76
* Books.....	457 34	452 94	442 75	774 26	396 77	494 49	658 42	1,332 09	436 75	9 05	10	5 22
Expense.....	2,434 61	2,725 27	2,675 43	2,310 20	2,957 53	2,526 12	3,000 15	2,678 90	2,971 12	2,745 09	2,675 95	2,615 49
	\$6,228 42	\$6,332 90	\$5,419 53	\$6,466 76	\$6,476 15	\$6,283 56	\$6,820 12	\$7,458 71	\$6,883 85	\$6,134 61	\$6,254 45	\$6,279 47
CHARLESTOWN.												
Salaries.....	\$2,623 67	\$2,738 52	\$1,950 18	\$2,608 83	\$2,201 90	\$2,596 88	\$2,397 53	\$3,008 51	\$2,845 22	\$2,809 99	\$3,394 55	\$3,575 55
Books.....	583 39	604 78	375 17	689 15	386 00	423 64	835 91	1,256 10	646 11	520 41	277 94	1,430 60
Expense.....	871 99	868 86	872 93	974 89	1,105 35	786 05	913 62	1,035 78	855 24	913 31	803 56	848 47
	\$4,079 05	\$4,212 16	\$3,198 28	\$4,272 87	\$3,693 25	\$3,806 57	\$4,147 06	\$5,300 39	\$4,346 57	\$4,243 71	\$4,476 05	\$5,854 62

* Books added to this branch paid for by the Trustees of the Fellowes Athenaeum are not included above.

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS. — *Continued.*

	1889-90.	1890-91.	1891-92. (9 mos.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
BRIGHTON.												
Salaries	\$1,592 55	\$1,562 20	\$1,134 87	\$1,758 88	\$1,687 77	\$1,872 00	\$1,898 00	\$2,040 75	\$2,117 97	\$2,260 38	\$2,430 44	\$2,511 46
Books	188 53	96 44	214 44	172 61	126 80	254 54	741 00	1,063 73	752 22	543 95	638 01	940 98
Expense	953 55	1,202 97	1,111 39	778 21	1,048 23	584 80	592 89	1,218 05	844 74	1,986 18	608 08	1,714 58
DORCHESTER.												
Salaries	\$2,734 63	\$2,862 11	\$2,460 70	\$2,709 70	\$2,862 80	\$2,711 34	\$3,231 89	\$4,322 53	\$3,714 93	\$4,790 51	\$3,676 53	\$5,167 02
Books	\$2,344 51	\$2,129 31	\$1,627 12	\$1,932 46	\$1,918 94	\$2,067 41	\$2,211 16	\$2,691 33	\$2,663 31	\$2,767 01	\$2,728 23	\$3,005 95
Expense	425 95	293 67	386 22	422 04	331 33	464 05	806 03	1,310 70	704 82	530 92	659 67	878 52
	966 74	1,015 23	557 83	703 60	632 50	488 00	700 25	687 57	661 08	634 39	658 88	1,002 32
SOUTH END.												
Salaries	\$3,737 20	\$3,438 21	\$2,571 17	\$3,058 10	\$2,882 77	\$3,019 46	\$3,717 44	\$4,689 60	\$4,029 21	\$3,982 32	\$4,046 78	\$4,886 79
Books	\$2,246 81	\$2,186 75	\$1,544 40	\$2,351 93	\$1,869 93	\$2,127 27	\$2,239 76	\$2,344 25	\$2,352 67	\$2,405 67	\$2,505 83	\$2,647 16
Expense	485 78	321 87	514 80	733 67	538 01	467 74	574 76	1,254 04	738 20	534 24	633 54	884 33
	906 79	602 46	910 43	533 51	1,128 38	684 28	537 32	465 21	689 96	911 36	406 17	683 50
JAMAICA PLAIN.												
Salaries	\$3,639 38	\$3,111 08	\$2,969 63	\$3,619 11	\$3,536 32	\$3,279 29	\$3,351 84	\$4,063 50	\$3,780 83	\$3,851 27	\$3,545 54	\$4,214 99
Books	\$1,834 65	\$1,675 13	\$1,270 20	\$1,974 97	\$1,677 67	\$1,943 57	\$2,023 52	\$2,099 95	\$2,131 85	\$2,156 42	\$2,239 90	\$2,366 11
Expense	365 57	374 05	589 54	667 83	263 37	349 96	723 58	1,174 27	763 37	605 58	609 10	859 95
	884 67	838 17	774 14	795 11	1,023 75	839 10	702 25	836 26	841 30	837 94	759 09	894 24
	\$3,084 89	\$2,887 35	\$2,633 88	\$3,437 91	\$2,964 79	\$3,132 63	\$3,449 35	\$4,110 48	\$3,736 52	\$3,599 94	\$3,608 09	\$4,120 30

NORTH END.											
Salaries	\$1,284 00	\$1,416 50	\$1,025 75	\$1,331 50	\$1,389 00	\$1,529 41	\$658 83 (6 mos.) 11 38				
Books	77 27	85 03	252 10	128 66	148 24	122 35					
Expense	1,154 60	1,025 64	1,290 02	665 59	752 02	618 19	412 59				
	\$2,515 87	\$2,527 17	\$2,567 87	\$2,125 75	\$2,289 26	\$2,269 95	\$1,082 80				
LOWER MILLS.											
Salaries	\$343 00	\$274 00	\$210 00	\$312 00	\$288 00	\$312 00	\$336 00	\$453 67	\$448 00	\$448 00	\$416 00
Books and Periodicals	53 72	52 71	58 57	56 21	71 81	53 65	214 36	75 55	65 59	69 45	73 25
Expense	307 32	305 25	263 20	254 46	572 74	460 25	318 38	395 22	256 28	305 21	315 38
	\$704 04	\$631 96	\$531 77	\$622 67	\$932 55	\$825 90	\$868 74	\$924 44	\$769 87	\$942 29	\$804 63
MATTAPAN.											
Salaries	\$120 00	\$25 00					\$305 86	\$424 17	\$448 00	\$448 00	\$448 00
Books and Periodicals								264 95	77 25	81 15	73 25
Expense	170 59	276 31	226 07	341 32	364 40	359 41	426 64	356 98	355 13	364 83	348 38
	\$290 59	\$301 31	\$226 07	\$341 32	\$364 40	\$359 41	\$732 50	\$1,046 10	\$880 38	\$893 98	\$869 63
NEPONSET.											
Salaries	\$120 00	\$100 00	\$87 56	\$120 00	\$97 50						
Expense	248 65	234 80	124 45	268 15	184 05	\$353 35	\$320 34	\$390 81	\$372 86	\$344 04	\$371 98
	\$368 65	\$334 80	\$212 01	\$388 15	\$281 55	\$353 35	\$320 34	\$390 81	\$372 86	\$344 04	\$371 98
ROSLINDALE.											
Salaries	\$84 00	\$45 46									\$66 60
Expense	141 40	288 27	\$267 04	\$339 32	\$371 80	\$459 83	\$438 18	\$604 97	\$774 17	\$725 46	2,636 41
	\$225 40	\$333 73	\$267 04	\$339 32	\$371 80	\$459 83	\$438 18	\$604 97	\$774 17	\$725 46	\$2,703 01

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS. — *Continued.*

	1889-90.	1890-91.	1891-92. (9 mos.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
WEST ROXBURY.												
Salaries	\$124 63	\$120 62	\$78 50	\$140 80	\$326 50	\$338 97	\$377 00	\$598 40	\$762 45	\$859 76	\$985 80	\$1,096 05
Books and Periodicals .....	.....	.....	.....	.....	35 00	17 60	454 20	1,252 19	257 94	193 76	245 08	452 22
Expense	89 05	75 60	84 25	206 37	323 62	264 58	359 69	431 56	470 31	412 77	340 08	1,268 27
MOUNT BOWDOIN.												
Salaries	\$213 68	\$196 22	\$162 75	\$347 17	\$685 12	\$621 15	\$1,190 89	\$2,282 15	\$1,490 70	\$1,466 29	\$1,570 96	\$2,816 54
Periodicals	\$598 00	\$276 00	\$201 25	\$298 25	\$276 00	\$294 00	\$322 00	\$453 38	\$448 00	\$448 00	\$448 00	\$416 00
Expense	123 79	108 12	78 07	80 57	87 98	68 20	255 31	87 15	73 45	75 40	69 45	73 25
	511 21	480 95	346 70	462 29	479 00	423 79	427 36	514 78	524 14	503 18	511 34	495 97
ALLSTON.												
Salaries	\$1,233 00	\$865 07	\$626 02	\$841 11	\$842 98	\$785 99	\$1,004 67	\$1,055 31	\$1,045 59	\$1,026 58	\$1,028 79	\$985 22
Expense	\$235 30	\$48 00										
	114 16	286 46	\$276 30	\$380 60	\$395 90	\$381 21	\$403 03	\$466 56	\$510 47	\$467 60	\$473 48	\$440 22
ASHMONT.												
Expense	\$349 46	\$334 46	\$276 30	\$380 60	\$395 90	\$381 21	\$403 03	\$466 56	\$510 47	\$467 60	\$473 48	\$440 22
	.....	\$220 44	\$193 47	\$242 71	\$379 16	\$371 48	\$359 00	\$386 88	\$363 91	\$461 09	\$469 74	\$479 75
DORCHESTER STATION.												
Expense .....	.....	\$100 33	\$204 84	\$255 60	\$322 39	\$328 16	\$319 41	\$438 74	\$537 91	\$176 97	\$448 02	\$480 07
BIRD STREET.												
Expense .....	.....	.....	.....	\$299 14	\$317 47	\$329 98	\$319 52	\$368 47	\$375 24	\$309 17	\$345 15	\$329 71

LIBRARY DEPARTMENT.

BLUE HILL AVENUE.				\$202 28	\$361 09	\$332 07	\$336 25	\$620 88	\$552 24	\$522 20	\$486 28	\$208 62 (6 mos.)
Expense												
Mt. Pleasant Avenue.												\$173 83
Salaries												23 95
Periodicals												106 25 (6 mos.)
Expense												\$304 03
HARVARD STREET.												
Expense				\$68 63	\$46 40	\$329 48						
Crescent Avenue.												
Expense.....				\$53 55	\$326 85	\$329 48	\$463 80	\$393 15	\$476 08	\$399 61	\$351 20	\$473 12
UPHAM'S CORNER.												
Expense								\$401 06 (9 mos.)	\$673 09	\$643 77	\$591 43	\$625 07
WARREN STREET.												
Expense.....								\$379 32 (8 mos.)	\$677 18	\$649 56	\$673 04	\$841 76
NORTH BRIGHTON.												
Salaries.....					\$28 00	\$364 00	\$364 00	\$371 00	\$392 00	\$392 00	\$392 00	\$392 00
Periodicals.....					71 30	78 65	255 43	92 70	83 30	87 00	74 70	78 25
Expense.....					14 21	600 70	455 52	565 21	633 07	545 47	627 93	568 51
					\$113 51	\$1,043 35	\$1,074 95	\$1,028 91	\$1,108 37	\$1,024 47	\$1,094 63	\$1,038 76

EXPENDITURES FOR BRANCHES AND DELIVERY STATIONS. — *Concluded.*

	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
WEST END.												
Salaries.....							\$529 32 (4 mos.)	\$4,462 20	\$4,622 82	\$4,300 66	\$4,726 80	\$5,062 24
Books.....							403 80	1,236 20	704 63	602 66	717 41	1,010 59
Expense.....							1 50	2,260 28	2,225 63	2,439 47	2,195 04	2,682 65
BROADWAY EXTENSION.												
Salaries.....							\$934 62	\$7,958 68	\$7,553 08	\$7,342 79	\$7,639 25	\$8,755 48
Books and Periodicals.....								\$183 00	\$528 93	\$669 15	\$858 16	\$966 17
Expense.....								682 13	513 06	499 12	350 96	440 23
								483 23	1,220 92	1,166 70	1,179 26	1,060 21
ROXBURY CROSSING.												
Salaries.....								\$1,318 36	\$2,262 91	\$2,334 97	* \$2,388 38	* \$2,466 61
Expense.....										\$442 13	\$470 54	\$487 00
									\$166 34 (11 mos.)	164 47	144 15	486 51
BOYLSTON STATION.												
Expense.....										\$606 60	\$614 69	\$973 51
									\$88 30 (3 mos.)	\$516 05	\$491 24	\$476 42
SCHOOL-HOUSES.												
Expense.....									\$47 52	\$93 25	\$85 24	\$18 37
ENGINE-HOUSES, ETC.												
Expense.....									\$71 41	\$98 10	\$87 62	\$105 79

UNION PARK STREET.									
Salaries . . . . .	.....	.....	.....	.....	.....	.....	.....	\$48 75 (5 weeks) 26	\$569 50
Expense . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	111 07
INDUSTRIAL SCHOOL.									
Expense . . . . .	.....	.....	.....	.....	.....	.....	.....	\$49 01	\$680 57
ANDREW SQUARE.									
Salaries . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....
Books and Periodicals.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Expense . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....
									\$62 67
									266 84
									1,413 15
									\$1,742 66
									\$72,864 14

* This total covers the payments amounting to \$435.23 made from the special appropriation for "Broadway Extension Improvements."

APPENDIX II.

EXTENT OF THE LIBRARY BY YEARS.

YEARS.			YEARS.			YEARS.		
		Total volumes in the Libraries.			Total volumes in the Libraries.			Total volumes in the Libraries.
1	1852-53	9,688	17	1868-69	152,796	33	1884-85	453,947
2	1853-54	16,221	18	1869-70	160,573	34	1885	460,993
3	1854-55	22,617	19	1870-71	179,250	35	1886	479,421
4	1855-56	28,080	20	1871-72	192,958	36	1887	492,956
5	1856-57	34,896	21	1872-73	209,456	37	1888	505,872
6	1857-58	70,851	22	1873-74	260,550	38	1889	520,508
7	1858-59	78,043	23	1874-75	276,918	39	1890	536,027
8	1859-60	85,031	24	1875-76	297,873	40	1891	556,283
9	1860-61	97,386	25	1876-77	312,010	41	1892	576,237
10	1861-62	105,034	26	1877-78	345,734	42	1893	597,152
11	1862-63	110,563	27	1878-79	360,963	43	1894	610,375
12	1863-64	116,934	28	1879-80	377,225	44	1895	628,297
13	1864-65	123,016	29	1880-81	390,982	45	1896-97	663,763
14	1865-66	130,678	30	1881-82	404,221	46	1897-98	698,888
15	1866-67	136,080	31	1882-83	422,116	47	1898-99	716,050
16	1867-68	144,092	32	1883-84	438,594	48	1899-1900	746,383
						49	1900-1901	781,377

VOLUMES IN LIBRARY AND BRANCHES, JANUARY 31, 1901,
ACCORDING TO LOCATION.

Central Library.....		582,673	South Boston	14,354
Duplicate room.....		30,122	South End	12,816
		612,795	West End.....	12,044
			West Roxbury.....	4,935
Roxbury branch	{ Fellowes Athenæum.....	21,521	Lower Mills (Station A).....	87
	{ Collection owned by City.	12,650	Roslindale (Station B)..	1,524
	{ Total, Roxbury branch.	34,171	Mattapan (Station D).....	98
			Mt. Bowdoin (Station F).....	987
Brighton		14,492	North Brighton (Station L)....	75
Charlestown		28,785	Broadway Ext. (Station P)....	2,049
Dorchester.....		16,512	Roxbury Crossing (Station S).	208
East Boston.....		12,054	Ward Nine (Station U).....	196
Jamaica Plain		12,992	Andrew Sq. (Station Y).....	203

APPENDIX III.

NET INCREASE OF THE SEVERAL DEPARTMENTS.

	1891.	1892.	1893.	1894.	1895.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
Bates Hall.....	15,306	16,499	20,493	32,491	} 11,821	20,273	26,579	20,680	21,937	25,049
Lower Hall.....	1's 23	818	loss 455	746						
Duplicate room	2,355	1's 9,143	loss 542	1's 8,056	313	2,890	8,603	2,063	6,894	8,093
Brighton branch.....	167	98	23	292	107	1,217	276	1's 3,190	471	135
Charlestown branch..	421	22	339	300	loss 16	1's 112	398	2,095	1's 13	1's 3,158
Dorchester branch...	222	209	134	358	loss 73	1,415	159	1's 1,402	514	585
East Boston branch..	59	5	48	126	112	1,021	147	1's 1,478	1's 255	495
Jamaica Plain branch	214	112	221	329	273	1,277	374	1's 1,286	29	467
¹ North End branch ..	224	84	75	63	1's 1,861	.....	.....	.....	.....	.....
Roxbury branch.....	308	loss 352	147	382	48	1,202	1's 2,896	1's 1,628	1's 424	1's 324
Fellowes Athenæum	438	289	318	318	407	348	402	936	990	1,070
South Boston branch	200	51	55	401	loss 289	1,509	loss 69	113	1's 440	1's 118
South End branch....	365	loss 67	26	276	138	1,435	308	1's 683	1's 588	1's 505
West End branch ....	.....	.....	.....	1,897	6,522	1,555	385	466	498	721
W. Roxbury branch..	.....	.....	33	4	626	loss 8	185	169	199	414
Lower Mills reading room .....	.....	.....	.....	.....	85	3	.....	.....	.....	loss 1
Roslindale reading room .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,524
Mattapan reading room .....	.....	.....	.....	.....	73	24	1	.....	.....	.....
Mt. Bowdoin reading room .....	.....	.....	.....	.....	74	932	loss 30	16	.....	loss 5
North Brighton reading room .....	.....	8	.....	.....	74	loss 7	.....	1	loss 1	.....
Broadway Extension reading room.....	.....	.....	.....	.....	261	724	307	290	172	295
Roxbury Crossing delivery station.....	.....	.....	.....	.....	.....	.....	.....	.....	213	loss 5
Ward Nine delivery station.....	.....	.....	.....	.....	.....	.....	.....	.....	137	59
Andrew Square reading room .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	203
Total	20,256	8,633	20,915	29,927	18,695	35,698	35,129	17,162	30,333	34,994

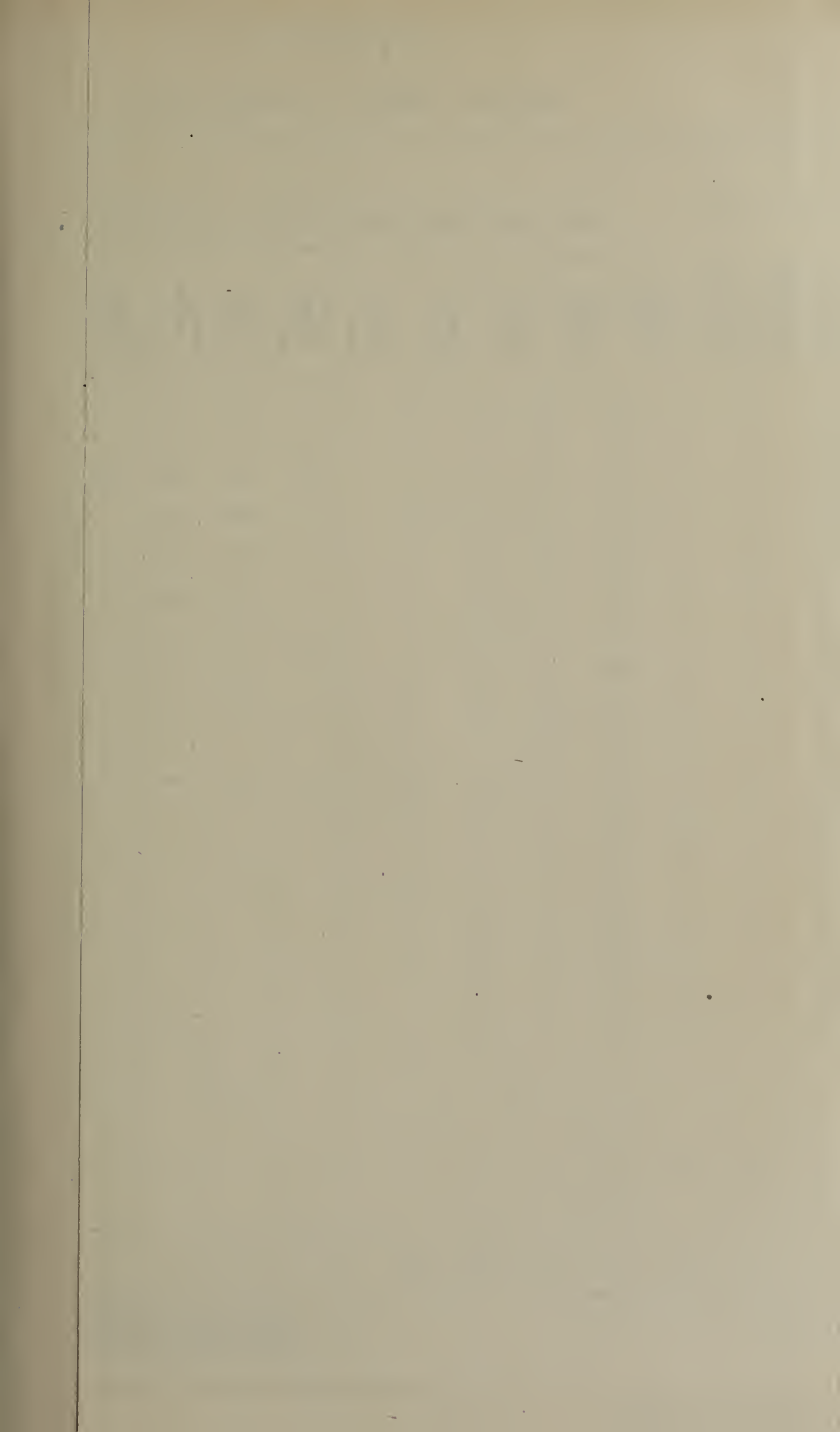
¹ Collection transferred to West End branch.

PLACED ON THE SHELVES FEBRUARY 1, 1900, TO JANUARY 31, 1901.

	Placed on the shelves.	Condemned, missing, transferred.	Net gain.
Central Library	* 29,431	4,382	25,049
Central Library, Duplicate room.....	† 10,297	2,204	8,093
Brighton branch.....	967	832	135
Charlestown branch.....	1,582	* 4,740	loss, 3,158
Dorchester branch	924	339	585
East Boston branch.....	1,154	659	495
Jamaica Plain branch.....	818	351	467
Roxbury branch, City collection.....	15	339	loss, 324
Roxbury branch, Fellowes Athenæum..	1,183	113	1,070
South Boston branch.....	1,068	1,186	loss, 118
South End branch	833	1,338	loss, 505
West End branch	898	177	721
West Roxbury branch	442	28	414
Lower Mills reading room.....		1	loss, 1
Roslindale reading room.....	1,524		1,524
Mattapan reading room			
Mt. Bowdoin reading room		5	loss, 5
North Brighton reading room			
Broadway Extension reading room.....	435	140	295
Roxbury Crossing delivery station.....	7	12	loss, 5
Ward Nine delivery station.....	65	6	59
Andrew-square reading room.....	203		203
Total	51,846	16,852	34,994

* Includes 4,301 volumes, Harris collection, transferred to Central Library.

† Includes 9,853 volumes stored at various branches, properly belonging in the Duplicate room.



APPENDIX IV.

CENTRAL LIBRARY CLASSIFICATIONS.

CLASS No.	CLASSES.	GENERAL COLLECTION.					SPECIAL LIBRARIES.																						Total, including special libraries.	
		Total in general library Jan. 31, 1900.	Placed on shelves, found, etc., 1900.	Loss by con- ditioning and destroyed.	Less by transfer to other divi- sions.	Total in general library Jan. 31, 1901.	1858.	1861.	1866.	1869.	1871.	1873.	1875.	1877.	1880.	1889.		1890.	1892.	1894.	1894.	1894.	1896.	1896.	1897.		1898.			
							Bowditch library.	Parker library.	Prince library.	Tosti library.	Tieknor library.	Barton library.	Thayer library.	Hunt library.	Franklin library.	Gilbert library.	Patent library.	John A. Lewis library.	Military library.	John Adams library.	Allen A. Brown library.	Chamberlain library.	Galatea library.	Codman library.	Artz library.	Newspaper room.	Browning collection.	Charlotte Harris collection.		Statistical department.
I.	Cyclopædias, etc.....	1,820	44	1	1	1,862	249	322	6		0	21	15															31	0	2,506
II.	Bibliography and literary history.....	13,605	688	13	15	14,265	35	615	5		278	691	33		10		8			1		21	1	1				13	55	16,032
III.	General history, biography and geography.....	14,924	677	24	28	15,549	17	655	43		54	135	424		1		2				112		3					495	6	17,496
IV.	*American literature.....	70,313	3,406	124	118	73,477	107	1,096	833	.....	362	813	385	669	492	75	911	679	820	.....	.....	344	.....	822	11	.....	793	803	83,492	
V.	* English literature.....	47,605	1,623	62	92	49,074	77	857	114	.....	21	3,208	2,458	.....	18	270	5,269	.....	.....	.....	248	31	51	.....	384	1,138	22	63,240		
VI.	* French literature.....	25,072	698	33	18	25,719	60	523	7	.....	58	2,474	670	.....	8	4	430	.....	.....	.....	158	1	3	.....	.....	.....	285	15	30,415	
VII.	* Italian literature.....	11,562	220	8	12	11,762	11	326	2	.....	31	337	184	.....	.....	1	.....	.....	.....	.....	9	.....	4	.....	.....	.....	70	6	12,743	
VIII.	* German literature.....	17,991	764	25	20	18,710	9	1,423	8	.....	26	254	191	.....	1	2	618	.....	.....	.....	48	.....	3	.....	.....	.....	58	47	21,398	
IX.	Greek, Latin and philology.....	10,282	313	22	25	10,548	9	1,181	197	.....	132	617	23	.....	3	1	1	.....	.....	.....	9	.....	2	.....	.....	.....	54	.....	12,777	
X.	*Spanish and Portuguese literature.....	3,184	106	5	0	3,285	22	95	.....	.....	4,272	200	64	.....	.....	1	1	.....	.....	.....	3	.....	.....	.....	.....	.....	53	2	7,998	
XI.	*Oriental literature.....	15,279	771	21	25	16,004	2	329	1	.....	4	225	61	.....	.....	.....	28	.....	.....	.....	18	.....	.....	.....	.....	.....	176	102	16,950	
XIIa.	Periodicals.....	23,390	699	27	164	23,898	1,387	733	5	.....	250	471	53	.....	1	14	.....	.....	.....	.....	39	.....	3	5,735	.....	.....	456	12	33,057	
XIIb.	Transactions.....	7,249	63	0	28	7,284	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	7	7,371	
XIII.	Theology, ecclesiastical history, etc.....	34,742	1,006	39	25	35,684	147	3,522	685	.....	381	245	248	.....	12	.....	2	.....	.....	.....	4	.....	2	.....	.....	.....	255	.....	41,187	
XIV.	Metaphysics, social science, etc.....	21,933	1,334	49	147	23,071	6	1,360	52	.....	121	130	66	.....	20	2	.....	.....	.....	.....	440	.....	2	.....	.....	.....	47	1,125	26,451	
XV.	Political economy.....	7,352	223	7	223	7,345	65	98	.....	.....	24	17	2	.....	.....	.....	101	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	3,280	10,881	
XVI.	Jurisprudence.....	8,755	234	18	2	8,969	3	307	14	.....	63	28	2	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	.....	.....	.....	20	113	12,681	
XVII.	Medical science.....	22,475	924	24	9	23,366	3	75	23	.....	5	27	5	.....	4	.....	.....	.....	.....	.....	41	.....	.....	.....	.....	.....	10	261	23,820	
XVIII.	Natural history and science.....	16,547	1,082	21	40	17,568	15	170	1	.....	32	89	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	103	.....	.....	.....	86	37	18,132	
XIX.	Mathematics, physical science, etc.....	21,009	1,302	31	44	22,236	4,367	136	25	.....	63	48	2	.....	20	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	57	68	27,024	
XX.	Industrial arts, etc.....	14,447	1,342	52	5	15,732	14	13	.....	.....	36	16	59	.....	5	1	4	.....	.....	.....	.....	.....	320	.....	.....	.....	20	88	16,308	
XXI.	Fine arts.....	18,151	1,994	23	33	20,089	0	30	1	129	14	43	400	.....	.....	.....	.....	.....	8,643	.....	33	258	1	.....	20	96	.....	29,757		
XXII.	Bound volumes of miscellaneous pamphlets.....	— 1	0	.....	.....	— 1	13	.....	1	.....	.....	84	10	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	158	
XXIII.	Bound volumes of manuscripts.....	106	2	.....	.....	108	6	.....	25	.....	47	93	1	.....	12	.....	1	.....	.....	.....	150	.....	.....	.....	.....	.....	16	.....	459	
XXIV.	Shakespeare.....	.....	0	.....	.....	.....	.....	.....	1	.....	.....	3,233	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,234	
XXV.	Books for the blind.....	559	19	.....	.....	578	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	578	
XXVI.	Stack 4 and "Y".....	43,248	1,887	1,831	5,197	38,107	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38,107	
XXVII.	Duplicate room.....	22,029	1,151	2,911	.....	30,122	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30,122	
XXVIII.	Deposit collection.....	5,273	3,385	237	.....	8,421	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,421	
	Totals.....	498,901	25,957	5,608	6,271	522,832	6,682	13,866	2,049	129	6,274	13,499	5,387	669	616	422	7,373	682	821	3,019	8,644	150	1,569	714	898	5,746	404	4,301	6,049	612,795

EXPLANATION. — Class III. includes general history, etc., when embracing several countries, and collected works of historians.

Class VIII. includes also Belgium, the Netherlands, Switzerland, and the Scandinavian nations.

Class XIV. includes political science and ethics, education, etc.

Class XIX. includes mechanics, military and naval arts, etc.

Class XXIV. does not include the Shakespeare collection of the general library.

Class XXVI. contains the former "Lower Hall" collection, which has a different classification.

Class XXVII. Of the total of 30,122 there are stored at branches, 9,853 volumes.

NOTE. — The dates given in the special libraries column show the year when these collections were acquired by the Library.

* Classes IV., V., VI., VII., VIII., X., and XI. include history, geography, biography, belles-lettres, and language of the countries specified.

† Not yet definitely classified.

VOLUMES IN THE SPECIAL COLLECTIONS.

LIBRARY DEPARTMENT.

	1882.	1892.	1893.	1894.	1895.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
Patent library.....	3,142	4,335	4,551	5,531	5,733	5,971	6,287	6,666	7,045	7,373
Bowditch library.....	3,224	5,626	5,717	6,003	6,077	6,192	6,279	6,349	6,439	6,682
Parker library	12,363	14,116	14,116	13,819	13,820	13,845	13,848	13,854	13,865	13,866
Prince library	2,274	3,000	3,025	¹ 2,045	2,045	2,045	2,045	2,047	2,049	2,049
Ticknor library.....	5,463	6,016	6,096	6,086	6,149	6,165	6,172	6,209	6,224	6,274
Barton library	13,487	13,764	13,775	13,624	13,627	² 13,491	13,491	13,491	13,493	13,499
Franklin library	240	482	499	565	578	582	591	598	603	616
Thayer library.....	893	3,984	5,269	5,383	5,384	5,385	5,385	5,388	5,386	5,387
John A. Lewis library.....	.....	617	621	679	679	679	679	681	681	682
Gilbert library .....	.....	420	420	422	422	422	422	422	422	422
Tosti library (1869, 129 vols.).....	129	129	129	129	129	129	129	129	129	129
Hunt library (1877, 669 vols.).....	669	669	669	669	669	669	669	669	669	669
John Adams library .....	.....	.....	.....	2,819	2,819	2,819	2,819	2,819	2,819	³ 3,019
Allen A. Brown library.....	.....	.....	.....	6,382	6,990	7,671	7,745	7,874	8,181	8,644
Chamberlain library .....	.....	.....	.....	150	150	150	150	150	150	150
Military library.....	.....	.....	.....	308	315	321	595	668	711	821
United States Congressional docs. ....	.....	.....	.....	.....	3,629	3,763	3,884	4,043	4,187	4,422
Great Britain Parl. papers .....	.....	.....	.....	.....	6,476	6,584	6,696	6,702	6,910	6,928
Galatea library.....	.....	.....	.....	.....	.....	.....	.....	1,184	1,389	1,569
Codman library.....	.....	.....	.....	.....	.....	.....	.....	696	699	714
Artz library.....	.....	.....	.....	.....	.....	.....	.....	624	690	898
Newspaper room.....	.....	.....	.....	.....	.....	.....	.....	4,559	5,397	5,746
Browning collection .....	.....	.....	.....	.....	.....	.....	.....	328	329	404
Statistical department .....	.....	.....	.....	.....	.....	.....	.....	343	3,382	6,049
Charlotte Harris collection.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,301

¹ Actual enumeration of original Prince library. Account is now made elsewhere of additions purchased by the City for this collection.

² There has been no loss in the Barton library, but a correction of an error of 136 previously made.

³ By recount.

APPENDIX V.

CLASSIFICATION.

* BRANCH LIBRARIES.

As Reported by Custodians of Branches, January 31, 1901.

	Brighton.	Dorchester.	East Boston.	Jamaica Plain.	South Boston.	South End.	West End.	West Roxbury.	Station P.
Reference books.....	389	504	405	487	421	365	512	168	34
Genealogy and heraldry.....	13	3	23	7	4	5	10	3	.....
Biography	1,336	1,350	1,076	1,210	1,183	1,376	1,199	409	66
History.....	1,376	1,278	1,162	1,070	1,216	1,109	1,140	403	105
Fine arts, archæology	263	290	243	302	341	272	245	75	17
Geography, travels	889	864	645	687	776	772	775	257	93
Language	84	69	55	88	57	62	123	12	5
Literature	1,577	1,323	1,362	1,170	1,127	1,372	1,198	454	68
Medicine, hygiene.....	84	86	85	65	108	98	66	19	.....
Natural science	488	346	295	370	396	370	513	106	58
Philosophy, ethics, education..	287	195	164	192	200	224	245	52	4
Religion, theology	280	185	154	185	237	210	825	46	2
Sociology.....	190	103	110	119	122	113	228	43	17
Law.....	16	5	15	7	21	14	6	.....	1
Useful and industrial arts.....	247	186	154	190	192	161	278	51	19
Amusements, games, sports...	75	67	68	71	69	74	69	14	6
Fiction	4,674	6,257	3,783	3,874	4,423	3,678	2,044	853	165
Books for the young.....	1,495	1,660	1,546	1,496	1,392	1,544	1,977	1,326	1,273
Bound periodicals.....	729	1,171	470	1,075	1,378	782	591	168	46
Unclassified.....	.....	570	239	327	691	215	.....	476	70
Total.....	14,492	16,512	12,054	12,992	14,354	12,816	12,044	4,935	2,049

* For the Charlestown and Roxbury Branches the figures of the re-classification are not yet completed.

APPENDIX VI.

REGISTRATION DEPARTMENT.

Statistical Report, February 1, 1900, to January 31, 1901.

DIVISIONS.	Live Cards Feb. 1, 1900.	CARDS ISSUED FEBRUARY 1, 1900—JANUARY 31, 1901.												Total Number Cards Out.	Expired (issued un- der two-year limit).	Live Cards Jan. 31, 1901.	Gain for Year. (* Loss.)	Lost Cards replaced.		Filled Cards re- placed, etc.
		RE-REGISTRATIONS.				NEW REGISTRATIONS.				RENEWALS.								Paid for.	After delay.	
		Males.		Females.		Males.		Females.		Males.		Females.								
		Over 21.	Under 21.	Over 21.	Under 21.	Over 21.	Under 21.	Over 21.	Under 21.	Over 21.	Under 21.	Over 21.	Under 21.							
Central Library	24,703	172	3	198	3	2,058	766	2,375	714	2,318	466	2,726	268	36,770	11,906	24,864	161	257	449	8,343
Brighton Branch	1,050	5	.....	5	.....	43	111	52	117	71	88	132	83	1,757	636	1,121	71	8	104	721
Charlestown Branch.....	2,513	9	.....	13	.....	111	277	91	274	102	109	206	98	3,803	1,463	2,340	*173	20	58	1,255
Dorchester Branch	2,116	9	.....	13	1	57	169	114	152	85	113	205	125	3,159	1,169	1,990	*126	10	142	792
East Boston Branch.....	2,985	2	.....	6	1	120	389	92	397	135	162	267	170	4,726	1,751	2,975	*10	17	220	1,067
Jamaica Plain Branch....	2,179	6	.....	15	1	44	231	100	193	93	115	312	146	3,435	1,469	1,966	*213	14	106	647
Roxbury Branch.....	3,671	13	.....	32	.....	65	401	154	431	142	210	378	237	5,734	2,288	3,446	*225	24	232	1,232
South Boston Branch.....	3,698	19	.....	25	.....	120	403	143	388	158	190	356	173	5,673	2,058	3,615	*83	20	278	3,507
South End Branch.....	2,066	1	.....	1	.....	97	91	227	41	106	57	314	33	3,034	1,174	1,860	*206	9	113	2,318
West End Branch.....	3,481	4	.....	5	.....	274	234	181	297	137	118	164	121	5,016	1,907	3,109	*372	14	226	3,181
West Roxbury Branch...	817	3	.....	2	.....	21	35	73	40	78	42	177	36	1,324	428	896	79	3	18	341
Station A	375	.....	.....	2	.....	17	32	46	27	13	10	28	16	566	139	427	52	.....	21	178
“ B	701	2	.....	2	.....	50	183	126	111	42	42	74	57	1,390	404	986	285	.....	34	390
“ D	426	1	.....	5	1	10	49	20	27	26	7	43	15	630	158	472	46	.....	31	150
“ E	338	2	.....	9	2	30	21	43	31	21	9	31	8	545	217	328	*10	.....	49	218
“ F	728	2	.....	6	.....	54	47	100	69	24	9	57	12	1,108	290	818	90	.....	71	237
“ G	1,003	.....	.....	1	.....	68	103	94	106	23	24	29	24	1,475	430	1,045	42	.....	78	330
“ H	645	2	.....	2	.....	31	49	105	71	21	9	65	22	1,022	287	735	90	.....	24	263
“ J	627	4	.....	2	.....	36	75	106	82	26	23	70	18	1,069	265	804	177	.....	55	302
“ K	355	.....	.....	.....	.....	13	32	43	28	21	8	23	11	534	132	402	47	.....	47	167
“ L	344	.....	.....	.....	.....	10	43	13	52	6	19	8	20	515	132	383	39	.....	42	177
“ M	556	.....	.....	1	.....	51	74	87	75	23	17	38	20	942	220	722	166	.....	65	292
“ N	772	1	.....	5	.....	127	235	248	204	33	18	55	18	1,716	360	1,356	584	.....	77	394
“ P	1,800	.....	3	.....	.....	147	267	73	144	49	41	29	30	2,583	772	1,811	11	.....	131	628
“ Q	900	1	.....	.....	.....	43	87	108	78	34	29	82	28	1,390	452	938	38	.....	66	404
“ R	1,185	.....	.....	1	.....	73	94	163	111	45	37	100	32	1,841	538	1,303	118	.....	126	563
“ S	1,624	1	.....	1	1	87	216	109	322	27	40	41	69	2,538	489	2,049	425	.....	97	355
“ T	987	.....	.....	1	.....	44	83	73	110	25	35	33	23	1,414	415	999	12	.....	59	300
“ U	454	2	3	.....	1	33	50	93	93	16	10	42	18	815	136	679	225	.....	59	319
“ W	64	.....	.....	.....	.....	78	256	50	293	7	10	3	50	811	.....	811	747	.....	68	210
“ Y .....	.....	.....	.....	.....	.....	12	129	29	114	4	1	1	.....	290	.....	290	290	.....	4	16
Totals ..	63,163	261	9	353	11	4,024	5,232	5,331	5,192	3,911	2,068	6,089	1,981	97,625	32,085	†65,540	2,377	396	3,150	29,297

Number of calls made by messenger verifying addresses, 8,189. Total number of persons attended to, 67,305.
† Includes 4,200 duplicate numbers.

CLASSIFICATION OF HOLDERS OF "LIVE CARDS,"
JANUARY 31, 1901.

BY SEX AND OCCUPATION.

CLASSES.	ORDINARY.		Special cards.
	Permanent residents.	¹ Non-residents.	
MALES.			
Over 21 years of age.			
Professional classes	2,009	106	272
Teachers	390	152	28
Students	1,120	790	.....
Business men.....	7,311	62	32
Unemployed	1,740	254	.....
Laborers	380	.....	.....
Under 21 years of age.			
Clerks	1,190	32	.....
Office and errand boys	562	.....	.....
Unemployed	392	.....	.....
Pupils of Latin and High schools	1,090	8	.....
Pupils of Grammar schools	8,143	7	.....
Pupils of Grammar schools under 12 years ..	540	.....	.....
Other students.....	352	48	.....
FEMALES.			
Over 21 years of age.			
Professional classes	351	62	191
Teachers	1,618	126	43
Students	1,010	1,032	.....
Business women.....	4,306	94	.....
Married	7,994	68	.....
Single, unemployed.....	7,582	370	9
Under 21 years of age.			
Clerks	1,412	66	.....
Errand girls	470	.....	.....
Unemployed	1,008	61	.....
Pupils of Latin and High schools	1,280	18	.....
Pupils of Grammar schools.....	8,312	14	.....
Pupils of Grammar schools under 12 years ..	608	.....	.....
Other students.....	364	61	.....
Totals.....	61,534	3,431	575

¹ Including persons temporarily sojourning in Boston.

N.B. — Of the 2,289 teachers' cards issued prior to February 1, 1901, 1,092 are live cards; of these, 820 are held by permanent residents, in addition to their ordinary cards (not included in permanent residents' column above), and 272 are held by non-residents (which are included in non-residents' column above).

BY WARDS.

Ward No.	No. of card-holders	Population census of 1900	Percentage of card-holders.	Ward No.	No. of card-holders	Population census of 1900	Percentage of card-holders.
1..	1,383	22,832	.0605	14...	1,854	21,453	.0864
2..	1,056	22,924	.0460	15...	1,760	19,700	.0893
3..	972	14,564	.0667	16...	1,714	20,017	.0856
4..	723	13,248	.0545	17...	1,906	25,038	.0762
5..	906	12,840	.0705	18...	1,966	22,401	.0877
6..	1,534	30,546	.0502	19...	1,987	27,178	.0731
7..	1,416	14,782	.0957	20...	3,810	32,556	.1170
8..	3,617	28,817	.1255	21...	4,122	23,868	.1726
9..	2,803	24,583	.1140	22...	2,604	25,610	.1016
10..	8,608	22,142	.3887	23...	2,709	23,637	.1103
11..	4,958	19,275	.2572	24...	3,236	27,126	.1192
12..	5,766	23,641	.2546	25...	2,780	19,279	.1441
13..	1,350	22,835	.0591	Total	65,540	560,892	.1168

PUBLIC SCHOOLS, TEACHERS AND PUPILS.

JUNE 30, 1900.

[FROM SCHOOL DOCUMENT NO. 12—1900.]

GENERAL SCHOOLS.	Number of schools.	NUMBER OF REGULAR TEACHERS.			Average number of pupils belonging.
		Men.	Women.	Total.	
Normal.....	1	1	10	11	226
Latin and High.....	11	86	92	178	5,128
Grammar.....	57	126	717	843	38,528
Primary.....	584	.....	584	584	30,914
Kindergartens.....	75	.....	150	150	4,284
Totals.....	728	213	1,553	1,766	79,080
SPECIAL SCHOOLS.					
Horace Mann.....	1	.....	.....	14	120
Spectacle Island.....	1	.....	.....	1	18
Evening High.....	1	.....	.....	.....	.....
Central.....	.....	.....	.....	25	1,682
Charlestown Branch.....	.....	.....	.....	8	234
East Boston Branch.....	.....	.....	.....	6	137
Totals.....	3	.....	.....	54	2,191
Special teachers (not included above), .....	.....	22	99	121	.....
EVENING SCHOOLS.					
Elementary.....	12	.....	.....	154	3,145
Drawing.....	5	.....	.....	26	594
Special classes.....	2	.....	.....	2	26
Totals.....	19	.....	.....	182	3,765
Grand totals.....	750	235	1,652	2,123	85,036

APPENDIX VII.

CIRCULATION OF BOOKS.

HOME USE ONLY.

	Total circulation. Home use.		From Central Library through branches and stations. Included in Central Library circulation, "B."		From branches through stations. Included in branch circulation.	
	1899- 1900.	1900- 1901.	1899- 1900.	1900- 1901.	1899- 1900.	1900- 1901.
Central Library:						
A., direct.....	328,917	318,514				
B., through branches and stations.....	102,070	113,143				
Brighton.....	36,017	42,800	515	731		
Charlestown.....	45,289	43,706	940	955		
Dorchester.....	52,654	52,021	754	689		
East Boston.....	58,967	64,461	2,127	1,657		
Jamaica Plain.....	46,558	50,758	1,212	1,198		
Roxbury.....	80,422	88,622	719	823		
South Boston.....	74,280	75,294	1,101	895		
South End.....	85,423	87,604	1,282	1,108		
West End.....	123,901	131,532	2,330	2,343		
West Roxbury.....	22,649	24,056	1,664	1,800		
Station A.....	5,297	5,427	2,276	2,377	1423	1485
B.....	14,025	16,688	7,221	6,808		
D.....	3,851	4,768	3,441	3,305		
E.....	6,175	6,490	2,649	2,155	11,221	1726
F.....	10,865	11,668	2,774	3,017		
G.....	9,675	9,391	4,589	5,644	3458	381
H.....	8,072	8,786	4,374	4,843	11,720	11,150
J.....	8,430	10,143	4,849	5,953		
K.....	5,071	5,840	2,678	2,062		
L.....	3,748	5,125	2,186	2,206		
<i>Carried forward.....</i>	1,132,356	1,176,837	49,681	50,569	3,822	2,442

APPENDIX VII.—*Concluded.*

	Total circulations. Home use.		From Central Library through branches and stations. Included in Central Library circulation, "B."		From branches through stations. Included in branch circulation.	
	1899- 1900.	1900- 1901.	1899- 1900.	1900- 1901.	1899- 1900.	1900- 1901.
<i>Brought forward.</i>	1,132,356	1,176,837	49,681	50,569	3,822	2,442
Station M.....	6,131	9,454	3,428	4,421		
N.....	10,247	12,083	4,162	5,780		
P.....	24,113	26,449	2,505	2,253		
Q.....	15,191	16,669	4,827	5,005		
R.....	13,642	18,398	8,965	9,814	⁴ 2,227	⁴ 2,643
S.....	13,021	14,382	4,536	5,992		
T.....	9,940	11,199	4,867	4,349	² 58	
U.....	13,442	17,039	4,603	6,063		
W.....	2,255	4,516	3,331	9,976		
Y.....		1,393		187		
Cottage Place.....	1,447	1,341				
Deer Island.....	290	61				
Guild St. Elizabeth.....		679				
House of Reformation...	2,498	6,395	48	222		
North Bennet street.....	421	78				
Parental School.....	1,573	704				
Schools.....	4,974	7,051		34		
Back Bay P. O.			⁵ 225	300		
City Almshouse.....			⁵ 242	323		
Engine houses.....			⁵ 6,426	7,075		
Hancock School			3,613			
Sand Gardens.....			⁵ 384	420		
Vacation Schools.....			⁵ 227	360		
Total	1,251,541	1,324,728	102,070	113,143	6,107	5,085

¹ Included in Dorchester Branch circulation.

² " " Jamacia Plain " "

³ " " Brighton " "

⁴ " " Roxbury " "

⁵ Number sent on deposit. Number used on premises not recorded.

APPENDIX VIII.

TRUSTEES FOR FORTY-NINE YEARS.

The Hon. Edward Everett was President of the Board of Trustees from 1852 to 1864; George Ticknor in 1865; William W. Greenough, Esq., from 1866 to April, 1888; from May 7, 1888, to May 12, 1888, Prof. Henry W. Haynes; Samuel A. B. Abbott, Esq., May 12, 1888, to April 30, 1895; Hon. F. O. Prince, October 8, 1895, to May 8, 1899; Hon. Solomon Lincoln, since May 12, 1899.

The Board for 1852 was a preliminary organization; that for 1853 made what is called the first annual report. At first it consisted of one alderman and one common councilman and five citizens at large, until 1867, when a revised ordinance made it to consist of one alderman, two common councilmen and six citizens at large, two of whom retired, unless reëlected, each year, while the members from the City Council were elected yearly. In 1878 the organization of the Board was changed to include one alderman, one councilman, and five citizens at large, as before 1867; and in 1885, by the provisions of the amended City charter, the representation of the City Government upon the Board, by an alderman and a councilman, was abolished, leaving the Board as at present, consisting of five citizens at large appointed by the Mayor.

Citizens at large in SMALL CAPITALS.

ABBOTT, SAMUEL A. B., 1879-95.	CLARKE, JAMES FREEMAN, D.D., 1878-88.
Allen, James B., 1852-53.	Coe, Henry F., 1878.
APPLETON, THOMAS G., 1852-57.	Crane, Samuel D., 1860-61.
Barnes, Joseph H., 1871-72.	CURTIS, DANIEL S., 1873-75.
BENTON, JOSIAH H., JR., 1894-1900.	Dennie, George, 1858-60.
BIGELOW, HON. JOHN P., 1852-68.	DE NORMANDIE, JAMES, D.D., 1895-1900.
BOWDITCH, HENRY I., M.D., 1865-68.	Dickinson, M. F., Jr., 1871-72.
BOWDITCH, HENRY P., M.D., 1894-1900.	Drake, Henry A., 1863-64.
Bradlee, John T., 1869-70.	DWIGHT, THOMAS, M.D., 1899-1900.
Bradt, Herman D., 1872-73.	Erving, Edward S., 1852.
Braman, Jarvis D., 1868-69.	EVERETT, HON. EDWARD, 1852-64.
BRAMAN, JARVIS D., 1869-72.	Flynn, James J., 1883.
Brown, J. Coffin Jones, 1861-62.	Frost, Oliver, 1854-55; 1856-58.
Burditt, Charles A., 1873-76.	FROTHINGHAM, RICHARD, LL.D., 1875-79.
Carpenter, George O., 1870-71.	Gaffield, Thomas, 1867-68.
CARR, SAMUEL, 1895-96.	GREEN, SAMUEL A., M.D., 1868-78.
CHASE, GEORGE B., 1876-85.	GREENOUGH, WILLIAM W., 1856-88.
Clapp, William W., Jr., 1864-66.	Guild, Curtis, 1876-77; 1878-79.
Clark, John M., 1855-56.	Harris, William G., 1869-70.
Clark, John T., 1873-78.	

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| <p>Haynes, Prof. Henry W., 1858-59.
 HAYNES, PROF. HENRY W., 1880-95.
 HILLARD, HON. GEORGE S., 1872-75; 1876-77.
 Howes, Osborne, Jr., 1877-78.
 Ingalls, Melville E., 1870-71.
 Jackson, Patrick T., 1864-65.
 Jenkins, Edward J., 1885.
 Keith, James M., 1868-70.
 Kimball, David P., 1874-76.
 Lawrence, James, 1852.
 Lee, Hon. John H., 1884-85.
 Lewis, Weston, 1867-68.
 LEWIS, WESTON, 1868-79.
 LEWIS, WINSLOW, 1867.
 LINCOLN, HON. SOLOMON, 1897-1900.
 Little, Samuel, 1871-73.
 Messinger, George W., 1855.
 Morse, Godfrey, 1883-84.
 MORTON, HON. ELLIS W., 1870-73.
 Munroe, Abel B., 1854.
 Newton, Jeremiah L., 1867-68.
 Niles, Stephen R., 1870-71.
 O'Brien, Hon. Hugh, 1879-82.
 Pease, Frederick, 1872-73.
 Perkins, William E., 1873-74.
 Perry, Lyman, 1852.
 PIERCE, PHINEAS, 1888-94.
 Plummer, Farnham, 1856-57.
 Pope, Benjamin, 1876-77.</p> | <p>Pope, Richard, 1877-78.
 Pratt, Charles E., 1880-82.
 PRINCE, HON. FREDERICK O., 1888-99.
 PUTNAM, GEORGE, D.D., 1868-77.
 Reed, Sampson, 1852-53.
 RICHARDS, WILLIAM R., 1889-95.
 Sanger, Hon. George P., 1860-61.
 Sears, Phillip H., 1859-60.
 Seaver, Hon. Benjamin, 1852.
 Shepard, Hon. Harvey N., 1878-79.
 SHURTLEFF, HON. NATHANIEL B., 1852-68.
 Stebbins, Solomon B., 1882-83.
 Story, Joseph, 1855-56; 1865-67.
 THOMAS, BENJAMIN F., LL.D., 1877-78.
 TICKNOR, GEORGE, LL.D., 1852-66.
 Tyler, John S., 1863-64; 1866-67.
 WALKER, FRANCIS A., LL.D., 1896.
 Warren, George W., 1852-54.
 Washburn, Frederick L., 1857-58.
 WHIPPLE, EDWIN P., 1868-70.
 Whitmore, William H., 1882-83.
 WHITMORE, WILLIAM H., 1885-88.
 Whitney, Daniel H., 1862-63.
 Whitten, Charles V., 1883-85.
 Wilson, Elisha T., M.D., 1861-63.
 Wilson, George, 1852.
 WINSOR, JUSTIN, LL.D., 1867.
 Wolcott, Hon. Roger, 1879.
 Wright, Albert J., 1868-69.</p> |
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LIBRARIANS.

1852 to date.

(From 1858 to 1877 the chief executive officer was entitled Superintendent.)

- CAPEN, EDWARD, *Librarian*, May 13, 1852-December 16, 1874.
JEWETT, CHARLES C., *Superintendent*, 1858-January 9, 1868.
WINSOR, JUSTIN, LL.D., *Superintendent*, February 25, 1868-September 30, 1877.
GREEN, SAMUEL A., M.D., *Trustee, Acting Librarian*, October 1, 1877-September 30, 1878.
CHAMBERLAIN, MELLEN, LL.D., *Librarian*, October 1, 1878-September 30, 1890.
DWIGHT, THEODORE F., *Librarian*, April 13, 1892-April 30, 1894.
PUTNAM, HERBERT, *Librarian*, February 11, 1895-April 3, 1899.
WHITNEY, JAMES L., *Acting Librarian*, March 31, 1899-December 21, 1899; *Librarian*, December 22, 1899.

APPENDIX IX.

EXAMINING COMMITTEES FOR FORTY-NINE YEARS.

The following have served on the Examining Committees for the years given. The names in *italics* are those of Trustees who have acted as chairman of the various committees. The thirty-fourth year was from May 1 to December 31, 1885, a period of eight months, for which no Examining Committee was appointed.

- | | |
|---|--|
| Abbott, Hon. J. G., 1870. | Brimmer, Hon. Martin, 1890, 1891. |
| <i>Abbott, S. A. B.</i> , 1880, 1894. | Brooks, Phillips, D.D., 1871. |
| Adams, Brooks, 1894. | Brown, Allen A., 1894. |
| Adams, Nehemiah, D.D., 1860. | Brown, Francis H., M.D., 1899, 1900. |
| Adams, Wm. T., 1875. | Browne, Alexander Porter, 1891. |
| Alger, Rev. Wm. R., 1870. | Browne, Causten, 1876. |
| Allen, Hon. Charles, 1899. | Buckingham, C. E., M.D., 1872. |
| Amory, Miss Anna S., 1890, 1891. | Burdett, Everett W., 1896, 1897. |
| Andrew, Hon. John F., 1888. | Burroughs, Rev. Henry, Jr., 1869. |
| Andrews, Augustus, 1892, 1893. | Byrne, Very Rev. William, 1899, 1900. |
| Appleton, Hon. Nathan, 1854. | Carr, Samuel, 1894. |
| Apthorp, Wm. F., 1883, 1899, 1900. | Carruth, Herbert S., 1892. |
| Arnold, Howard P., 1881. | Chadwick, James R., M.D., 1877. |
| Aspinwall, Col. Thomas, 1860. | Chamberlain, Mellen, LL.D., 1894. |
| Attwood, G., 1877. | Chaney, Rev. George L., 1868. |
| Babson, Thomas M., 1900. | Chase, George B., 1876. |
| Bailey, Edwin C., 1861. | <i>Chase, George B.</i> , 1877, 1885. |
| Ball, Joshua D., 1861. | Cheever, David W., M.D., 1894. |
| Bancroft, Robert H., 1894. | Cheever, Miss Helen, 1896, 1897. |
| Bangs, Edward, 1887. | Cheney, Mrs. Ednah D., 1881. |
| Barnard, James M., 1866. | <i>Clapp, William W., Jr.</i> , 1864. |
| Barry, Rev. Richard J., 1895. | Clarke, James Freeman, D.D., 1877. |
| <i>Bartlett, Sidney</i> , 1869. | <i>Clarke, James Freeman. D.D.</i> , 1882. |
| Bates, Hon. John L., 1896, 1897. | Clement, Edward H., 1894, 1895. |
| Beebe, James M., 1858. | Coale, George O. G., 1892, 1893. |
| Beecher, Edward, D.D., 1854. | Colby, John H., 1900. |
| Bent, Samuel Arthur, 1890, 1891. | Collar, William C., 1874. |
| Bigelow, Jacob, M.D., 1857. | Collar, Mrs. William C., 1900. |
| <i>Bigelow, Hon. John P.</i> , 1856. | Collins, Hon. Patrick A., 1898, 1899. |
| Blagden, George W., D.D., 1856. | Connolly, Rev. Arthur T., 1898, 1899. |
| Blake, J. Bapst, M.D., 1897, 1898. | Corbett, Hon. Joseph J., 1896, 1897. |
| Blake, John G., M.D., 1883, 1891. | Cudworth, Warren H., D.D., 1878. |
| Blake, Mrs. Mary E., 1894, 1900. | Curtis, Charles P., 1862. |
| Bodfish, Rev. Joshua P., 1879, 1891. | Curtis, Daniel S., 1872. |
| Bowditch, Alfred, 1899, 1900. | Curtis, Thomas B., M.D., 1874. |
| Bowditch, Henry I., M.D., 1855. | Cushing, Thomas, 1885. |
| <i>Bowditch, Henry I.</i> , M.D., 1865. | Dalton, Charles H., 1884. |
| Bowditch, Henry P., M.D., 1881. | Dana, Samuel T., 1857. |
| Bowditch, J. Ingersoll, LL.D., 1855. | Davis, James C., 1899, 1900. |
| Bowman, Alfonzo, 1867. | Dean, Benjamin, 1873. |
| Bowne, Prof. Borden P., 1896, 1897. | |
| Bradford, Charles F., 1868. | |
| Bragg, Hon. Henry W., 1898, 1899. | |
| Brewer, Thomas M., 1865. | |

- Denny, Henry G., 1876.
 Derby, Hasket, M.D., 1895, 1896.
 Dexter, Henry M., D.D., 1866.
 Dillingham, Rev. Pitt, 1886.
 Dix, James A., 1860.
 Doherty, Phillip J., 1888.
 Donahoe, Patrick, 1869.
 Donald, E. Winchester, D.D., 1898, 1899.
 Donnelly, Charles F., 1899, 1900.
 Dunphy, James W., 1900.
 Durant, Henry F., 1863.
 Duryea, Joseph T., D.D., 1880.
 Dwight, John S., 1868.
 Dwight, Thomas, M.D., 1880.
 Eastburn, Manton, D.D., 1863.
 Eaton, William S., 1887.
 Edes, Henry H., 1886.
 Eliot, Samuel, LL.D., 1868.
 Ellis, Arthur B., 1888, 1889.
 Ellis, Calvin, M.D., 1871.
 Ellis, George E., D.D., 1881.
 Endicott, William, Jr., 1878.
 Ensworth, William H., M.D., 1898, 1899.
 Ernst, Carl W., 1897, 1898.
 Evans, George W., 1887, 1888, 1889.
 Everett, Sidney, 1895.
 Fallon, Hon. Joseph D., 1899, 1900.
 Farlow, John W., M.D., 1892, 1893.
 Field, Miss Gretchen, 1898.
 Field, Walbridge A., LL.D., 1866.
 Fields, James T., LL.D., 1872.
 Fitz, Reginald H., 1879.
 Fitz, Walter Scott, 1894.
 Foote, Rev. Henry W., 1864.
 Fowle, William F., 1864.
 Freeland, Charles W., 1867.
 Frost, Oliver, 1854.
Frothingham, Richard, LL.D., 1876.
 Furness, Horace Howard, LL.D., 1882.
 Gannett, Ezra S., D.D., 1855.
 Gargan, Thomas J., 1899, 1900.
 Garland, George M., M.D., 1895, 1896.
 Gay, George H., 1876.
 Gilchrist, Daniel S., 1872.
 Gordon, George A., D.D., 1885, 1899, 1900.
 Gould, A. A., M.D., 1864.
 Grant, Robert, 1884.
 Gray, John C., LL.D., 1877.
Green, Samuel A., M.D., 1868.
 Green, Samuel S., 1895.
Greenough, William W., 1858, 1874, 1883, 1886.
 Grinnell, Charles E., 1874.
 Hale, Edward E., D.D., 1858.
 Hale, Mrs. George S., 1887, 1888.
 Hale, Moses L., 1862.
 Hale, Philip, 1893.
 Haskins, Rev. George F., 1865.
 Hassam, John T., 1885.
 Hayes, Hon. F. B., 1874.
 Haynes, Prof. Henry W., 1879.
Haynes, Prof. Henry W., 1881, 1884.
 Hayward, George, M.D., 1863.
 Heard, John, Jr., 1888, 1889, 1891.
 Heard, John T., 1853.
 Hellier, Charles E., 1895.
 Hemenway, Alfred, 1898, 1899.
 Herford, Brooke, D.D., 1884.
 Herrick, Samuel E., D.D., 1888, 1899.
 Hersey, Miss Heloise E., 1895, 1896.
 Higginson, Francis L., 1899, 1900.
 Higginson, Thomas W., LL.D., 1883.
 Hill, Clement Hugh, 1880.
 Hillard, Hon. George S., 1853.
Hillard, Hon. George S., 1873.
 Hills, Thomas, 1898, 1899.
 Hodges, Richard M., M.D., 1870.
 Holmes, Edward J., 1881, 1884.
 Holmes, Oliver W., M.D., 1858.
 Holmes, Oliver W., jr., LL.D., 1882.
 Homans, Charles D., M.D., 1867.
 Homans, Mrs. Charles D., 1885, 1886, 1887.
 Homer, George, 1870.
 Homer, Peter T., 1857.
 Horton, Rev. Edward A., 1899, 1900.
 Hubbard, James M., 1891.
 Hubbard, William J., 1858.
 Hudson, John E., 1895, 1896.
 Hunnewell, James F., 1880, 1893, 1894.
 Hutchins, Miss Emma, 1895, 1896.
 Hyde, George B., 1879.
 Irwin, Miss Agnes, 1894.
 Jeffries, B. Joy, M.D., 1869.
 Jeffries, William A., 1893.
 Jenkins, Charles E., 1879.
 Jewell, Hon. Harvey, 1863.
 Jewett, Miss Sarah Orne, 1900.
 Johnson, Rev. Robert F., 1900.
 Jordan, Eben D., 1873.
 Kidder, Henry P., 1870.
Kimball, David P., 1874.
 Kimball, Henry H., 1865.
 Kirk, Edward N., D.D., 1859.
 Lawrence, Hon. Abbott, 1853.
 Lawrence, Abbott, 1859.
 Lawrence, Miss Harriette S., 1890.
 Lawrence, James, 1855.
 Lee, Miss Alice, 1889, 1890, 1891.
 Lee, Hon. John H., 1897, 1898.
Lewis, Weston, 1872, 1878.
 Lincoln, Hon. F. W., 1856.
 Lincoln, Hon. Solomon, 1886.
 Little, James L., 1864.
 Lombard, Prof. Josiah L., 1868.
 Loring, Hon. Charles G., 1855.

- Lothrop, Loring, 1866.
 Lowell, A. Lawrence, 1897, 1898.
 Lowell, Augustus, 1883.
 Lowell, Edward J., 1885.
 Lunt, Hon. George, 1874.
 Lyman, George H., M.D., 1885.
 McCleary, Samuel F., 1890.
 McNulty, Rev. John J., 1896, 1897.
 Manning, Rev. Jacob M., 1861.
 Mason, Rev. Charles, 1857.
 Mason, Miss Ellen F., 1898, 1899.
 Mason, Frank S., 1899, 1900.
 Mason, Robert M., 1869.
 Maxwell, J. Audley, 1883.
 Metcalf, Rev. Theodore A., 1888, 1889.
 Minns, Thomas, 1864.
 Minot, Francis, 1866.
 Morison, Miss Mary, 1892, 1893, 1895.
 Morrill, Charles J., 1885.
 Morse, John T., Jr., 1879.
 Morse, Robert M., Jr., 1878.
Morton, Hon. Ellis W., 1871.
 Mudge, Hon. E. R., 1871.
 Neale, Rollin H., D.D., 1853.
 Noble, John, 1882, 1899, 1900.
 Norcross, Otis, 1880.
O'Brien, Hon. Hugh, 1879.
 O'Callaghan, John J., 1895.
 O'Reilly, John Boyle, 1878.
 Otis, G. A., 1860.
 Paddock, Rt. Rev. Benj. H., 1876.
 Parker, Charles Henry, 1888, 1889.
 Parker, William L., 1900.
 Parker, Mrs. William L., 1897, 1898.
 Parkman, Henry, 1885.
 Parks, Rev. Leighton, 1882, 1896, 1897.
 Perkins, Charles C., 1871.
 Perry, Thomas S., 1879, 1882, 1883, 1884, 1885, 1890, 1891.
 Phillips, John C., 1882.
 Phillips, Jonathan, 1854.
 Pierce, Hon. Henry L., 1891.
 Pingree, Miss Lalia B., 1894.
 Prescott, William H., LL.D., 1853.
Prince, Hon. F. O., 1888, 1889, 1890, 1891, 1892, 1893, 1895, 1896.
 Putnam, George, 1900.
Putnam, George, D.D., 1870.
 Putnam, Hon. John P., 1865.
 Putnam, William L., 1898, 1899.
 Randall, Charles M., M.D., 1884.
 Reed, Henry R., 1899, 1900.
 Rice, Hon. Alexander H., 1860.
 Robbins, Elliott, M.D., 1893.
 Roberts, Rev. W. Dewees, 1899, 1900.
 Roche, James Jeffrey, 1898, 1899.
 Rogers, Prof. William B., 1861.
 Rollins, J. Wingate, 1888, 1889.
 Ropes, John C., LL.D., 1872.
 Rotch, Benjamin S., 1863.
 Runkle, Prof. J. D., 1882.
 Russell, Samuel H., 1880.
 Sampson, O. H., 1892, 1893.
Sanger, Hon. George P., 1860.
 Searle, Charles P., 1898, 1899.
 Seaver, Edwin P., 1881.
 Shepard, Hon. Harvey N., 1888, 1889.
 Sherwin, Mrs. Thomas, 1893, 1894.
Shurtleff, Hon. Nathaniel B., 1857.
 Smith, Azariah, 1895, 1896.
 Smith, Charles C., 1873.
 Smith, Mrs. Charles C., 1881, 1886.
 Smith, Miss Minna, 1892.
 Sowdon, A. J. C., 1892, 1893.
 Sprague, Charles J., 1859.
 Sprague, Mrs. Henry H., 1899, 1900.
 Sprague, Homer B., 1882.
 Stedman, C. Ellery, M.D., 1888.
 Stevens, Oliver, 1858.
 Stevenson, Hon. J. Thomas, 1856.
 Stockwell, S. N., 1861.
 Stone, Col. Henry, 1885, 1886, 1887.
 Story, Joseph, 1856.
 Sullivan, Richard, 1883, 1884.
 Teele, John O., 1886.
 Thaxter, Adam W., 1855.
 Thayer, Rev. George A., 1875.
 Thayer, Rev. Thomas B., 1862.
 Thomas, B. F., LL.D., 1875.
 Thomas, Seth J., 1856.
 Ticknor, Miss Anna E., 1891.
Ticknor, George, LL.D., 1853, 1854, 1855, 1859, 1863, 1866.
 Tillinghast, Caleb B., 1895, 1896.
 Tobey, Hon. Edward S., 1862.
 Todd, William C., 1894.
 Turner, Miss Frances H., 1899, 1900.
 Twombly, A. S., D.D., 1883, 1884.
 Updike, D. B., 1900.
 Upham, J. B., M.D., 1865.
 Vibbert, Rev. George H., 1873.
 Wadlin, Horace G., 1899, 1900.
 Wales, George W., 1875.
 Walley, Hon. Samuel H., 1862.
 Ward, Rev. Julins H., 1882.
 Ware, Charles E., M.D., 1875.
 Ware, Darwin E., 1881.
 Ware, Mrs. Darwin E., 1899, 1900.
 Warner, Hermann J., 1867.
 Warren, Hon. Charles H., 1859.
 Warren, J. Collins, M.D., 1878.
 Waterston, Rev. Robert C., 1867.
 Weissbein, Louis, 1893.
 Wells, Mrs. Kate G., 1877.
 Wells, Samuel, 1900.
 Wendell, Prof. Barrett, 1895, 1896.

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| Wharton, William F., 1886. | <i>Wilson, Elisha T., M.D.</i> , 1861. |
| <i>Whipple, Edwin P.</i> , 1869. | <i>Winsor, Justin, LL.D.</i> , 1867. |
| <i>Whitmore, William H.</i> , 1887. | Winthrop, Hon. Robert C., 1854. |
| <i>Whitney, Daniel H.</i> , 1862. | Winthrop, Robert C., Jr., 1887. |
| Whitney, Henry A., 1873. | Wood, Frank, 1897, 1898. |
| Wightman, Hon. Joseph M., 1859. | Wood, Miss Maria E., 1900. |
| Williams, Harold, M.D., 1888, 1889,
1890. | Woodbury, Charles Levi, 1871. |
| Williamson, William C., 1881. | Woolson, Mrs. Abba Goold, 1888,
1889. |
| Williamson, Mrs. William C., 1897,
1898. | Wright, Hon. Carroll D., 1884. |

APPENDIX X.

SCHEDULE OF LIBRARY SERVICE.

NOTE.—This has been brought down to May 3, 1901. The order is (1) by rank in grades, and (2) alphabetical, within each grade.

Five examinations have been given during the past year: Two for Grade E, February 9 (seventy-three candidates), and August 22 (forty-one candidates); one for Grade C, February 16 (fifty-seven candidates); two for Grade B, February 16 (thirty-six candidates), and May 8 (twenty-three candidates). Special examinations have been given to eighteen candidates, eight of whom were Library employees, who were qualifying for higher grades.

SUMMARY.

Central Library	177	Men	90	Women	87
Branches and reading rooms,	68	“	15	“	53
	<u>245</u>		<u>105</u>		<u>140</u>

Evening and Sunday service, Central Library, * 83.
Sunday service, branches, 11.

Extra assistance is employed at the branches.

EXECUTIVE DEPARTMENT.

Name.	Entered.	Grade.
Whitney, James L. . . .	1869	Librarian.
Fleischner, Otto	1891	Ass't Librarian.
† Mooney, George V. . . .	1889	B. Special.
Deery, Della Jean	1891	B. “
Learned, Lucie A. . . .	1891	B. “
Hutchins, Fernald	1896	D. “
McFarland, Peter V. . . .	1896	D.
Batson, Benjamin J., Jr. . .	1900	E.
Nichols, Adelaide A. . . .	1868	Auditor.
** Bicknell, Margaret M. . .	1896	C. Special.

CATALOGUE DEPARTMENT.

Hunt, Edward B.	1883	Chief.
¶ Swift, Lindsay	1878	A. Special.

* Serving from three to seven evenings a week each. The total number of positions is 37, evenings; 43, Sundays.

** Auditor's Assistant. † Custodian of Stock Room. ¶ Editor Library Publications.

Name.	Entered.	Grade.
Chevalier, Samuel A. . . .	1894	A. Special.
Murdoch, John	1896	A. “
Burnell, Carrie	1881	A.
Rollins, Mary H. . . .	1886	A.
Seaver, Mrs. Lillian F. . . .	1888	A.
Lane, Lucius P. . . .	1898	B. Special.
Rice, Edwin F. . . .	1885	B. “
Tenney, Mary A. . . .	1897	B. “
Bartlett, Mary R. . . .	1897	B.
Cutler, Dora L. . . .	1887	B.
Folsom, Clara P. . . .	1900	B.
Gould, Ida W. . . .	1884	B.
Hemmings, Anita F. . . .	1897	B.
Leavitt, Luella K. . . .	1895	B.
Mackay, Susan H. . . .	1901	B.
Brennan, Thomas Francis	1890	C. Special.
Durand, Susan M. . . .	1900	D. “
Dolan, Charles W. . . .	1894	D.
Shaughnessy, John F. . . .	1898	D. Runner.

ORDERING DEPARTMENT.

Macurdy, Theodosia E. . . .	1889	Chief.
Coolidge, Marie	1893	B. Special.
Seemüller, Mary	1899	B. “
Frinsdorff, Emily O. . . .	1894	B.
Goddard, Mrs. Frances H. . . .	1892	B.
McGrath, Mary A. . . .	1868	B.
Keleher, Alice A. . . .	1891	C.
Maiers, William C., Jr. . . .	1897	C.
Daly, Gertrude B. . . .	1901	E.
Ennis, William J. . . .	1900	E.

SHELF DEPARTMENT.

Roffe, William G. T. . . .	1881	A. Div. 2.
Locke, John F. . . .	1894	B. Special.
Richmond, Bertha P. . . .	1895	B.
Connor, George H. . . .	1891	C. Special.
Eberhart, John	1894	C. “
Reardon, John H. . . .	1896	C. “
Caiger, Eliza F. A. . . .	1895	D.
Lucid, John F. . . .	1893	D.
McSweeney, M. Agnes	1897	D.
Muckensturm, Matthew	1899	D.
Shawno, Robert	1898	D.

BATES HALL.

Bierstadt, Oscar A. . . .	1899	Custodian.
* Blaisdell, Frank C. . . .	1876	A. Special.

Name.	Entered.	Grade.
Doyle, Agnes C. . . .	1885	B. Special.
Buckley, Pierce E. . . .	1891	B.
McCarthy, Michael, Jr. . . .	1892	C. Special.
Ward, Joseph W. . . .	1891	C. “
Plunkett, Albert J. . . .	1895	D. “
Hannigan, Frank J. . . .	1898	D.
McKenzie, Kenneth	1897	D.
Hogan, C. Thomas	1899	D. Runner.
Sullivan, Jeremiah J. . . .	1900	D. “

SPECIAL LIBRARIES.

Hitchcock, Grace A. . . .	1895	B. Special.
Barton, Marguerite	1900	B.
Chamberlain, Mrs. Marion L. . . .	1897	B.
Hall, Belle S. . . .	1895	B.
Williams, David L. . . .	1900	C.
Cassidy, Margaret L. . . .	1895	D. Special.
Kelly, Charlotte H. . . .	1895	D. “
Clarke, Harold	1900	D. Runner.
Doyle, Charles A. . . .	1899	D. “
Doyle, James L. . . .	1900	D. “

DOCUMENT DEPARTMENT.

Ford, Worthington C. . . .	1898	Chief.
Wheeler, Horace L. . . .	1900	B.
Cutting, Grace M. . . .	1899	C. Special.

PERIODICAL ROOM.

Wendté, Frederika	1895	B.
Ford, Mary E. A. . . .	1895	D. Special.
Collins, John T. . . .	1901	E.

NEWSPAPER ROOM.

Serex, Frederic	1895	B.
Keenan, Matthew T. . . .	1896	D. Special.

ISSUE DEPARTMENT.

McGuffey, Margaret D. . . .	1895	Chief.
*Sheffield, Mrs. Gertrude P. . . .	1896	B. Special.
Jordan, Alice M. . . .	1900	B.
Sheridan, Mary C. . . .	1881	B.
Cufflin, M. Florence	1892	C. Special.
Richards, Florence F. . . .	1875	C.
Shumway, Marion H. . . .	1895	C.
Bertram, Lucy I. . . .	1895	D. Special.
Cunniff, Nellie L. . . .	1895	D. “
Daly, Margaret C. . . .	1895	D. “

* In charge of Children's Department.

Name.	Entered.	Grade.
Dowling, S. Jennie	1895	D. Special.
Ethier, Lillian E. . . .	1895	D. “
McCarthy, Marion A. . . .	1895	D. “
Murphy, Annie G. . . .	1888	D. “
Reynolds, Mary A. . . .	1894	D. “
Schulz, Henry A. C. . . .	1898	D. “
Weichmann, Catherine A. . .	1895	D. “
Williams, Grace	1895	D. “
Connolly, Nellie L. . . .	1895	D. “
Gorman, John E. . . .	1895	D. “
Hersey, Edna M	1898	D. “
Mulloney, William J. . . .	1892	D. “
Olson, Alphild	1895	D. “
Olson, Bertha A. . . .	1895	D. “
Schnabel, Paul J. . . .	1898	D. “
Shaughnessy, Mary A. . . .	1897	D. “
Stetson, Nina M. . . .	1896	D. “
Zaugg, Joanna	1895	D. “
Barry, Margaret M. . . .	1897	D. Runner.
Beck, Ernest M. . . .	1900	D. “
Bryce, Jean M. . . .	1898	D. “
Cole, Grace E. . . .	1897	D. “
Connor, Lillian L. . . .	1900	D. “
Day, Josephine E. . . .	1899	D. “
Gorman, Annie L. . . .	1899	D. “
Hagerty, Mary E. . . .	1897	D. “
Kolsky, Joseph	1900	D. “
Perham, Lucy	1900	D. “
Reid, Georgina I. . . .	1900	D. “
Williams, Eleanor M. . . .	1899	D. “

ISSUE DEPARTMENT, BRANCH DIVISION.

Ward, Langdon L. . . .	1896	Supervisor of Branches and Delivery Stations.
Kueffner, Cecilia W. . . .	1898	B.
Stevens, Alice V. . . .	1899	B.
Heimann, Otto A. . . .	1890	C. Special.
Morse, Maud M. . . .	1877	C. “
Bollig, Emma	1898	C.
Kiernan, Letitia M. . . .	1895	C.
Maier, Joseph A. . . .	1892	D. Special.
Brown, Richard	1898	D.
Conroy, Michael J. . . .	1897	D. Runner.

REGISTRATION DEPARTMENT.

Keenan, John J. . . .	1885	B. Special.
Murray, Ella K. . . .	1886	C.
Shelton, Richard B. . . .	1895	D. Special.
Fillebrown, Emily F. . . .	1895	D.

PRINTING DEPARTMENT.

Name.	Entered.	Position.
Lee, Francis W. . . .	1894	Chief.
Geyer, Willfried H. . . .	1896	Pressman.
Greeley, Carrie P. . . .	1896	Compositor.
Land, Annie F. . . .	1896	"
O'Keefe, Charles J. . . .	1899	Job pressman.

BINDERY.

Ryder, Frank	1883	Foreman.
Collins, Dennis J. . . .	1887	Finisher.
Conolly, John L. . . .	1900	Forwarder.
Fuerst, Alexander	1896	"
Hoeffner, George	1891	"
Ivory, John W. . . .	1893	"
Löfström, Konrad A. . . .	1892	"
Murphy, John F. . . .	1883	"
Ochs, Alfred G. . . .	1900	"
Sullivan, J. Henry	1898	"
Hemstedt, William P. . . .	1883	Pressman.
Cellarius, Theodore W. . . .	1892	Apprentice.
Bowen, Mrs. Sarah E. . . .	1876	Sewer.
Doiron, Joanna	1896	"
Kiley, Margaret J. . . .	1889	"
Moriarty, Mary G. . . .	1875	"
Nolen, Sarah	1891	"
Potts, Ellen F. . . .	1892	"
Soule, Ellen E. . . .	1891	"

ENGINEER AND JANITOR DEPARTMENT.

Niederauer, Henry	1894	Chief Engineer.
McCready, Alexander	1895	Engineer.
Malone, John P. . . .	1895	"
O'Neill, Harry	1896	"
Zittel, George, Jr. . . .	1891	"
Herland, Nils J. . . .	1895	Fireman.
Moran, John A. . . .	1894	"
Karlson, Charles W. . . .	1896	Book Motors.
Williams, John L. . . .	1886	Janitor.
Frye, Henry W. . . .	1898	"
Kelley, James J. . . .	1900	"
McCarty, Dennis	1888	Watchman.
McGee, Alexander D. . . .	1896	Painter.
Lawrence, John A. . . .	1898	Carpenter.
Hanna, William T. . . .	1895	Marble polisher.
Cole, William E. . . .	1898	Elevator and Coat-room attendants.
Kennedy, Thomas F. J. . . .	1901	
Thomas, Arthur C. . . .	1898	

EAST BOSTON BRANCH.

Name.	Entered.	Grade.
Walkley, Ellen O. . . .	1897	B. Special.
Brackett, Marion W. . . .	1897	C.
Wing, Alice M. . . .	1873	C.
Bickford, Lillian A. . . .	1891	D.
Matthews, Everett F. . . .	1900	Janitor.
Taylor, Charles F. . . .	1897	"

SOUTH BOSTON BRANCH.

Bullard, N. Josephine . . .	1883	B. Special.
Eaton, Ellen A. . . .	1873	C.
Sampson, Idalene L. . . .	1878	C.
McQuarrie, Annie C. . . .	1894	D.
Orcutt, Alice B. . . .	1887	D.
Baker, Joseph	1872	Janitor.

ROXBURY BRANCH.

Bell, Helen M. . . .	1878	B. Special.
Berry, Martha L. C. . . .	1883	C.
Puffer, Dorothy	1878	C.
Griggs, Sarah W. . . .	1886	D.
Lynch, Gertrude A. . . .	1894	D.
Monahan, William	1883	Janitor.

CHARLESTOWN BRANCH.

Cartée, Elizabeth F. . . .	1886	B. Special.
Livermore, Mrs. Susan E. . .	1885	C.
Reagen, Elizabeth R. . . .	1895	C.
Donovan, Annie M. . . .	1899	D.
O'Neill, Margaret M. . . .	1892	D.
Rogan, Katharine S. . . .	1896	D.
Smith, Thomas E. . . .	1874	Janitor.

BRIGHTON BRANCH.

Hobart, Martha N. . . .	1896	B. Special
Conley, Ellen F. . . .	1891	C.
Dale, M. Florence	1895	C.
Warren, Edward A. . . .	1898	Janitor.

DORCHESTER BRANCH.

Reed, Mrs. Elizabeth T. . . .	1873	B. Special.
Griffith, Mary E. . . .	1886	C.
Donovan, Mary G. . . .	1891	C.
Brick, Mary L. . . .	1899	D.
Kellogg, Grace E. . . .	1898	D.
Davenport, Edward	1875	Janitor.

SOUTH END BRANCH.

Name.	Entered.	Grade.
Sheridan, Margaret A.	1875	B. Special.
McKirdy, Alice E.	1796	C.
Lynch, Emma F.	1885	C.
Meehan, Margaret F.	1893	D.

JAMAICA PLAIN BRANCH.

Swain, Mary P.	1877	B. Special.
Riley, Nellie F.	1878	C.
Albert, Katie F.	1892	C.
Tirrell, Martin H.	1900	Janitor.

WEST END BRANCH.

Davis, Mrs. Eliza R.	1877	B. Special.
Barton, Margaret S.	1885	C.
Forbes, George W.	1896	C.
Kiley, Mary E.	1896	C.
Mooney, Katharine G.	1885	C.
Millmeister, Rebecca	1899	D.
Riley, Mary E.	1891	D.
Kelly, William D.	1898	D. Runner.
McKenna, Harry C.	1900	D. “
Sullivan, Daniel J.	1898	Janitor.

WEST ROXBURY BRANCH.

Morse, Carrie L.	1890	B.
Henderson, Irene E.	1898	D. Runner.
Woods, Eugene B.	1898	Janitor.

DELIVERY STATIONS.

Station.	Custodian.	Grade.
A. Lower Mills Reading Room	Hill, M. Addie	D. Special.
B. Roslindale Reading Room	Murray, Grace L.	D. Special.
C. West Roxbury Branch	See above.	
D. Mattapan Reading Room	Capewell, Mrs. Emma G., D. Special.	
E. Neponset Delivery Station	Barnes, Charles D.	
F. Mt. Bowdoin Reading Room	Fairbrother, Mrs. Eliz. G., D. Special.	
G. Allston Delivery Station	Howe, W. A., & Co.	
H. Ashmont Delivery Station	Weymouth, Clara E.	
J. Dorchester Sta. Delivery Sta.	Sexton, Mrs. Annie M.	
K. Bird street Delivery Station	Morris, Antoinette.	
L. No. Brighton Reading Room	Muldoon, Katherine F., D. Special.	
M. Crescent ave. Delivery Station	Smith Brothers.	
N. Mt. Pleasant Delivery Station	Witherell, Anna M.	D.
P. Broadway Extension Delivery Station	Stewart, Cora L.	D. Special.
	Myers, Benjamin	D.
Q. Upham's Corner Delivery Sta.	Rolland, Ezra N.	
R. Warren st. Delivery Station	Smith, H. De Forrest.	
S. Roxbury Crossing Delivery Sta.	Yeaton, E. Christine	D. Special.
T. Boylston Delivery Station	Peirce, George L.	
U. Ward Nine Delivery Station	McGrath, Amelia F.	C.
W. Industrial School Delivery Sta.	Guerrier, Edith.	
Y. Andrew Square Reading Room	Marshall, Jeanette M.	D. Special.

EVENING AND SUNDAY SERVICE.

Central Library.

Bates Hall.—Officers in charge: Samuel A. Chevalier, Otto Fleischner, Edward B. Hunt, Lindsay Swift. Assistants: John Murdoch, William G. T. Roffe, Edward Tiffany, William A. Walsh. Central desk: Pierce E. Buckley, John H. Reardon, David L. Williams. Care of reference books: Frank J. Hannigan, Charles A. Hardy, Albert E. Heimann, Albert J. Plunkett. Collector of slips: Ralph M. Barstow, Howard C. Blake, Edward E. Bruce, Paul J. Schnabel. Runners: Maurice Ferber, Ferdinand W. C. Haberstroh, Frank T. Sullivan, John J. Sullivan.

Issue Department.—Officers in charge: Frank C. Blaisdell, Pierce E. Buckley, Samuel A. Chevalier. Receiver of books: Fred W. Blaisdell, George H. Connor, Michael McCarthy, Jr. Deliverers of books: Fred W. Blaisdell, John F. Conners, John H. Reardon. Care of indicator: Walter T. Hannigan. Assistants at indicator: Fred A. Beckford, Joseph A. Maier. Care of slips: Daniel J. Ford, Albert E. Heimann, Otto A. Heimann. Desk attendants: Daniel J. Ford, John E. Gorman, Frank J. Hannigan. Care of tubes: John E. Gorman, John F. Lucid, Joseph A. Maier, William J. Mulloney. Care of carriers: Fred A. Beckford, Michael J. Conroy, John H. Glover, James A. Pitts. Book-case attendants: Charles W. Annable, John H. Glover, Kenneth McKenzie, John A. Pearson, Frank T. Sullivan. Runners: Howard C. Blake, Richard Brown, Henry W. Buhler, Harold Clarke, Timothy J. Conners, Elmer B. Derby, Charles A. Doyle, Maurice Ferber, Daniel J. Ford, John H. Glover, Ferdinand W. C. Haberstroh, Richard J. Haberman, Charles A. Hardy, Albert E. Heimann, Lucius S. Hicks, Thomas F. Hughes, Walter J. Lambert, John F. Lucid, Peter V. McFarland, John L. McKiernan, James L. Maguinness, D. Clifford Martin, Matthew Muckensturm, Joseph A. Murphy, Morris J. Rosenberg, Frank T. Sullivan, Nelson G. Trueman, Otto E. Zaugg. Children's Library attendants: Belle S. Hall, Charlotte H. Kelly, Maud M. Morse, Marion L. Owen, Joanna Zaugg. Extra attendants: Edwin F. A. Benson, Charles D. Campbell, George H. Davis.

SPECIAL LIBRARIES. — *In charge of Barton Library:* Francis W. Lee, Edward Tiffany. Assistants: Charles W. Annable, Fernald Hutchins, John L. McKiernan, James A. Pitts, Waldo W. Weller. In charge Fine Arts Department: Frank A. Bourne, William A. Walsh. Assistants: Charles A. Doyle, William C. Maiers, Arthur E. F. Smith. Extra assistants: Edwin F. A. Benson, John L. McKiernan, Joseph A. Murphy, Robert Shawno, Waldo W. Weller.

Newspaper Room. — Thomas F. Brennan, George H. Connor, Albert J. Plunkett. Newspaper files: Kenneth McKenzie, James L. Maguinness, Harry F. Mayer.

Patent Room. — Matthew T. Keenan, Frederic Serex.

Periodical Room. — John F. Connors, Albert J. Plunkett.

Registration Desk. — William E. Fallon, John J. Keenan.

Replacement of books. — John F. Lucid, Michael McCarthy, Jr., Joseph W. Ward.

SUNDAY SERVICE.

* *Branch libraries. November 1 to May 1.*

Charlestown Branch, 2 to 10 P.M. — In charge: Bergan A. Mackinnon, Edwin A. Drowne. Janitor: Thomas Smith.

East Boston Branch, 2 to 10 P.M. — In charge of Issue desk: Everett F. Matthews. In charge of Reading Room: Alexander Miller. Janitor: Charles F. Taylor.

South Boston Branch, 2 to 10 P.M. — In charge: Alice B. Orcutt, Joseph Baker. Janitor: Thomas Saunders.

Station P, 2 to 6 P.M., 7 to 9 P.M. — In charge: Astley Parsons, Max H. Newman.

Station S, 2 to 6 P.M., 7 to 9 P.M. — In charge: Gertrude Churchill.

* With the exception of the West End Branch, which is open Sundays throughout the year; here, certain members of the regular week-day force serve Sundays, their compensation being for seven days per week.

APPENDIX XI.

CORRESPONDENCE, BEQUESTS, ETC.

THE MELLEN CHAMBERLAIN COLLECTION.

CHELSEA, February 14, 1893.

To the Trustees of the Boston Public Library :

GENTLEMEN,—I propose to leave to the Boston Public Library, by testamentary bequest, my collection of historical documents, manuscripts, autographs, portraits, and engravings connected therewith, together with a few printed volumes, and some matters of personal interest to me, provided the Trustees, after a more mature consideration of the subject, are still willing to accept the same agreeably to an informal understanding expressed at their meeting, January 17, 1893. That is to say, that the Trustees will furnish the room in the new building, connected with the Librarian's Room, substantially in accord with the plan prepared by Alex. S. Jenney, and set said room apart as the permanent home of said collection, to be and forever remain in the sole custody of the Librarian, under the Trustees.

From the above conditions are to be excepted the framed Address to the King, the Declaration of Independence, the Articles of Confederation, and the Constitution of the United States, which would be properly exhibited on the walls of some more public room.

While I desire to retain the property of the collection during my life, it is my wish, nevertheless, to transfer to the Library at once such portions of it as are in completed form, and the remainder as soon as it can be completed.

The collection will need an index and binding; and as I am familiar with the requirements, I think it would be well to have one or more volumes of each division bound as soon as may be, to serve as examples for the remaining volumes.

It is my purpose to make the collection as complete as I may; and to that end, after any portion of it is transferred to the Library, I shall desire free access to it at suitable times.

Respectfully,

(Signed)

MELLEN CHAMBERLAIN.

PUBLIC LIBRARY OF THE CITY OF BOSTON.

To the Hon. Mellen Chamberlain :

DEAR SIR,—It is my pleasant duty to inform you that I am instructed by the Trustees of the Public Library of the City of Boston, that they accept with gratitude your proposed testa-

mentary gift of your unique and valuable "collection of historical documents, autographs, portraits and engravings connected therewith, together with certain printed volumes," etc., and that they agree to perform all the conditions set forth in your letter of February 14, 1893, to which the gift is made subject.

Permit me to improve the opportunity to express my own appreciation of the great value of your proposed donation, and assure you that all the conditions referred to will be faithfully performed. The Trustees have already commenced the work of preparing a suitable room in the new Library building for the accommodation of the collection, as you are pleased to allow them present possession of the same.

Very truly yours,

(Signed)

FREDERICK O. PRINCE,

President pro tem.

MARCH 28, 1893.

Extract from the Will of Mellen Chamberlain. Will dated March 26, 1900. Judge Chamberlain died June 25, 1900. Will proved March 7, 1901.

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To the Trustees of the Boston Public Library I give my collection of manuscripts (save those hereinbefore given to the Historical Society), autographs, portraits, and photographs, collected for illustrating said collection (as distinguished from those framed and now hanging on the walls of my house), personal and family papers, correspondence and genealogical manuscripts, together with two bound sets of my own historical and literary papers. I also give to said Trustees the presentation copies of books or pamphlets, including those containing autographs of distinguished persons once owning them, whether now in my own house or in my room in the Library. These matters may generally be recognized (if books) by their having my book-plate — "The Chamberlain Collection" — on the inside of the cover. This bequest is upon the conditions set forth in my letter to said Trustees, February 14, 1893, and accepted by their vote, March 28, of the same year.

THE DANIEL SHARP FORD BEQUEST.

Bequest of Daniel Sharp Ford; died December 23, 1899. Will proved January 9, 1900.

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Nine. I desire to express my appreciation of the benefits I have received, in common with all citizens, from the protection and encouragement of good government in our City during the

many years of my business life, and my recognition of the humane and benevolent spirit that has prevailed and found expression in the establishment and support of educational and benevolent institutions. I give, devise and bequeath to the following-named institutions in the City of Boston, County of Suffolk, and Commonwealth of Massachusetts, the respective sums herein named.

a. To the Museum of Fine Arts, the sum of six thousand dollars.

b. To the Public Library of the City of Boston, the sum of six thousand dollars.

c. To the Boston Young Men's Christian Association, the sum of seven thousand dollars.

d. To the Boston Young Women's Christian Association, the sum of seven thousand dollars.

e. To the Massachusetts General Hospital, the sum of seven thousand dollars.

f. To the Boston City Hospital, the sum of six thousand dollars.

g. To the Boston Children's Aid Society, the sum of five thousand dollars.

h. To the Children's Hospital in Boston, the sum of five thousand dollars.

THE ABRAM E. CUTTER BEQUEST.

Extract from the Will.

Seventh. I give and bequeath to the Public Library of said City of Boston my library of books, provided and on the condition nevertheless that my wife, if she survives me, shall retain to her own unrestricted and independent use and possession such parts thereof as she may desire during her natural life, or so long as she may wish.

I also give and bequeath to said Public Library the sum of four thousand dollars, in trust nevertheless, to keep the same safely invested and to collect and receive the income therefrom and to apply the same from time to time to the purchase of books to add to the collection hereby bequeathed, and for the repairs, binding, and other expenses needful for making the collection more complete and useful. I direct nevertheless that all my remainder of the edition of Anne Bradstreet's works, published in 1867, all of which, with the plates thereto belonging, are intended to be included in the foregoing bequest to said Public Library, shall be sold or exchanged by the Trustees or Managers of said Library at their discretion, and that the proceeds shall be added to said collection or to said fund of four thousand dollars, as the case may be, and thereafter held upon the same trusts and for the same purposes as in this item of my will set forth.

APPENDIX XII.

GIVERS AND GIFTS.

The following list of gifts for the past year has been prepared by the Chief of the Ordering Department :

	1899-1900.	1900-1901.
Givers	2,392	2,450
Volumes	13,310	15,065
Numbers	18,682	12,109
Photographs, engravings, etc.	1,644	262
Newspaper subscriptions. (Gifts of the publishers)	97	90

Gifts from the following persons may be especially mentioned :

The Armenian Benevolent Association of Boston, through Karekin M. Giragosian, secretary, seventy-nine volumes in the Armenian language.

Howard P. Arnold, thirty-four volumes and four photographs.

Belgium, Institut Cartographique Militaire. Carte topographique de la Belgique.

The Boston Browning Society, for the Browning Library, ten volumes, four photographs, and sixteen pieces of music.

The Boston Philatelic Society, through Mr. Herman Corbett, forty-five volumes of postage-stamp magazines, including the American Philatelist, vols. 1-13, 1887-99; the London Philatelist, 1894-98, etc.

Prof. Henry P. Bowditch, seventy-two volumes, including numerous German scientific works.

The heirs of George Brinley, Philadelphia, a large paper copy, in five volumes, of the priced catalogue of the Brinley Library.

From the Boston School Committee, in coöperation with the publishers, 599 volumes. This gift comprises copies of most of the text-books used in the public schools of Boston. These have been placed in the Children's Reference Room. The following publishers gave these books: Allyn and Bacon; American Book Co.; Boston School Supply Co.; Butler, Sheldon and Co.; Prof. W. O. Crosby; Ginn and Co.; J. L. Hammett Co.; Longmans, Green and Co.; Harper and Bros.; Maynard, Merrill and Co.; Heath and Co.; Henry Holt and Co.; Houghton, Mifflin and Co.; Milton Bradley Co.; Prang Educational Co.; B. H. Sanborn and Co.; Thos. R. Shewell; Silver, Burdett and Co.; The J. B. Lippincott Co.; The Macmillan Co.; The Oliver Ditson Co.; Thompson, Brown and Co.; University Publishing Co.

Allen A. Brown, 597 volumes.

W. B. Clarke Co., eighty-two posters, illustrating book and magazine advertisements for the current year.

Rev. John F. Cummins, a bronze medal commemorating the year (1900) of Jubilee by His Holiness Leo XIII.

Mrs. Simon Davis, eighty volumes of a miscellaneous character.

The Oliver Ditson Co., 576 volumes of musical publications.

Mrs. Martha W. Faucon, Milton, twenty-seven volumes, German and Dutch history.

Andrew D. Fuller, six papers on the water supply, drainage, etc., of Boston, prepared by the Board of Paris Exposition managers for Massachusetts.

Mrs. William W. Gannett, forty volumes of songs and 347 pieces of music.

From the family of the late William Lloyd Garrison, five volumes of the office copies of the South Carolina State Gazette, 1794-5, 1799-1801, and the Herald of Freedom, 1843.

From the German Patent Office, 4,665 numbers of the *Patentschriften*. These numbers have been bound in seventy-five volumes, and placed in the Patent Room.

Augustus Hemenway, *Carte du théâtre de la guerre en Amérique*. Dessiné par E. D. Vorzet et publ. par Lévy frères. (Nineteen sheets in a portfolio.)

From Thomas Wentworth Higginson, sixty-eight volumes for the Galatea Collection, and a volume of historical manuscripts comprising a number of letters, 106 in all, on the attempted rescue of Anthony Burns in 1854.

W. Alleyne Ireland, a card catalogue, containing 600 titles of every separate document, and of many portions of documents, relating to China, published in the Sessional Papers of the British Parliament from 1801-1898.

His Majesty King Humbert of Italy, six volumes, containing the *Campagne del Principe Eugenio di Savoia*.

Italy. Ministero della Marina, thirty-five volumes and sixty-nine numbers relating to the naval affairs and public works of that country.

The John Rylands Library, Manchester, England, the catalogue of the printed books and manuscripts in the library, in three quarto volumes. Also Catalogue of books printed in England, Scotland and Ireland, and of books in English printed abroad to the end of 1640.

George B. Knapp, sixty-six volumes, relating chiefly to the fine arts.

Joseph Lee, 160 volumes, largely on social and industrial questions.

Through the generosity of Mrs. John A. Lewis, two rare volumes have been added to the John A. Lewis Collection, namely:

Now or never is the time for men to make sure of their eternal salvation. By Increase Mather. Boston, B. Eliot, 1713.

A good man making a good end. By Cotton Mather. Boston, B. Green and J. Allen, for Michael Perry, 1698.

Also, an autograph letter from the Rev. Thomas Foxcroft to the Rev. Stephen Williams, Boston, Feb. 14, 1728, on Cotton Mather's death.

George E. Littlefield, a copy of his *Early Boston Booksellers, 1642-1711*, published by the Club of Odd Volumes, 1900.

From the Duc de Loubat, Paris, *Il manoscritto Messicano Vaticano, 3,738, detto il codice Rios, riprodotto in fotocromografia a spese di S. E. il duca di Loubat per cura della Biblioteca Vaticana, Roma, 1900.*

Miss Sarah B. Mackintosh and Miss Mariana E. Clarke, fifty-five volumes, 224 pieces of music.

Miss Elizabeth May, of Leicester, Mass., a collection of material relating to the Anti-Slavery agitation in Massachusetts. It includes a part of the correspondence of her father, the late Rev. Samuel May, his note-books and many letters, notably his correspondence with Richard D. Webb of Dublin and John Bishop Estlin of England; between three and four hundred in all.

Mrs. Julia M. Norris, San Francisco, formerly Mrs. Thomas Starr King, and Mrs. Horace Davis, her daughter, a collection of the manuscripts and published works of the late Rev. Thomas Starr King. The manuscripts include his sermons and addresses.

The Old South Society of Boston, for the Prince Library, a copy of Samuel Mather's *Figures or types of the Old Testament, etc., sermons.* London, 1705.

The Perkins Institution and Massachusetts School for the Blind, nineteen volumes in raised letters.

Thomas Sergeant Perry, eighteen volumes in Japanese, including Shakespeare's *Othello*.

Samuel T. Pickard, forty-eight bound volumes of the *Portland Transcript* from 1848-97, of which Mr. Pickard was at one time editor, also three volumes of the *Carpet Bag*, Boston, 1851, and three volumes of the *Eclectic*, Portland, 1851.

The Red Cross Society, Madrid (*La Cruz Roja Española*), twenty-three memoirs and reports of the Society in the different provinces of Spain.

Dr. Morton Prince, a miscellaneous collection of 242 volumes.

Col. Alfred P. Rockwell, 161 volumes, chiefly English literature, scientific and educational works.

His Excellency Gov. Roosevelt, the Report of the New York Monuments Commission for the battlefields of Gettysburg and Chattanooga, in three volumes.

The Roxburghe Club of Roxbury, twenty-five mounted photographs, reproductions from Tintoretto, Guido Reni and Raphael, for the Fine Arts Collection.

Thomas Smythe, twenty-five volumes of manuscript records, of which eight volumes are copied from the records of Barnstable County, towns of Eastham, Truro and Provincetown; nine volumes copied from wills and deeds from Dorchester and Caroline Counties, Maryland; and eight volumes of miscellaneous material, copied chiefly from the Middlesex County records.

Howard M. Ticknor, thirty-nine volumes, relating chiefly to

music, and a collection of old and scarce Boston concert and theatre programmes, posters, etc., numbering 8,142.

The 20th Regiment Association, M.V.I., through Capt. Edward B. Robins, an interesting collection of military accoutrements, belonging to officers of the 19th and 20th regiments, M.V.I., in the Civil War.

Edward Wheelwright, forty-two volumes, mostly foreign literature.

Edward Whymper, of England, a complete set of his works on mountain climbing, etc., in ten volumes.

Mrs. Justin Winsor, Cambridge, a volume of matter relating to Benjamin Franklin.

Charles H. Wise, twenty-five subscriptions to current periodicals for the Roslindale Reading Room.

1. ENDOWMENTS.

(See page 6.)

2. WORKS OF ART.

(See page 8.)

3. MISCELLANEOUS GIFTS OF MONEY.

The sum of one hundred dollars has been received from Mr. Andrew Carnegie, through Col. Thomas Wentworth Higginson, as the first annual contribution for the purchase of books for the Galatea Collection of books relating to the history of woman.

4. PHOTOGRAPHS, ENGRAVINGS, MEDALS, ETC.

Anonymous	4 Photographs.
Appleton, William S.	1 Photograph.
Arnold, Howard P.	1 Chromophotogravure.
	3 Photographs.
Baillargé, Charles P. F.	5 Photographs.
Bartlett, Prof. Truman	2 Photographs.
Bedlington, Charles	1 Framed photograph.
Boston and Albany Railroad	9 Photographs.
Boston Browning Society	4 Photographs.
Calais, Me., Free Library	1 Photograph.
Chase, J. Eastman	1 Vol. containing progressive proofs of the Peachblow vase, Walter's Collection.
Christensen, Niels, Jr.	1 Print.
Coolidge, Baldwin	1 Photograph.
Cummins, Rev. John F.	1 Bronze medal.
Curtis, Miss Mary A. H.	4 Framed pictures.
Davis, Andrew McF.	10 Photographs.
Doyle, Agnes M.	1 Picture.

Drexel Institute of Art, Science, and Industry, Philadelphia . . .	10	Photographs.
Eaton, Edward B.	1	Silver medal.
Fisher, Milton M.	1	Photograph.
France. Préfecture du Départe- ment de la Seine	5	Engravings.
Fowler, Albert S.	40	Engravings.
Garrison, Francis J.	1	Daguerreotype.
Guiney, Louise Imogen	1	Photograph.
Gunning, Mrs. Mary	4	Photographs.
Harris, Mrs. A. F.	2	Prints.
Haverhill Public Library . . .	11	Photographs.
Hiersemann, Karl W.	7	Plates.
Howard, George H.	62	Prints.
Iconographic Society	1	Etching.
John Crerar Library, Chicago . .	5	Photographs.
Knapp, George B.	4	Medals.
New England Cotton Manufactur- ers' Association	1	Bronze medal.
North Adams Public Library . .	1	Photograph.
Roxburghe Club of Roxbury . .	25	Photographs.
Sheffield, Mrs. Gertrude P. . .	25	Photographs.
Swift, Lindsay	1	Print.
Twentieth Regiment Association, M.V.I.		Sword, epaulettes, belt- plate, etc.
Whitney, James L.	4	Photographs.

5. BOOKS, PERIODICALS AND NEWSPAPERS.

	Vols.	Nos.
Aachen, Germany. Handelskammer		1
Abbot Public Library, Marblehead		1
Abbott, Dr. Samuel W.	1	
Aberdeen. Chamber of Commerce		1
— Public Library		1
Abu-Khalil, Alexander 1900-01 subscription to Al-Ayam		
Academy of Science of St. Louis		8
Acker, Finley, Philadelphia	3	
Actors' Fund of the United States of America		1
Actuarial Society of America, New York City		3
Adams, Hon. Charles Francis, Lincoln	1	
Adams, Charles H.	2	9
Adams, Robert, Washington		1
Adams Academy, Quincy		2
Adams Nervine Asylum		1
Adler, Dr. Simon L., Rochester	1	
Advance, San Francisco 1900-01 subscription		
Aguilar Free Library, New York City		6
Aiken, Rev. Charles F., Washington	1	
Alabama. Agricultural Experiment Station		17
Alabama Historical Society	1	1
Albany Medical Annals, Publishers of	1	
Albany Medical College	1	6
Aldrich, N. W., Washington		5
Alkaloidal Clinic, Publishers of, Chicago	2	1
Allegheny County Workhouse and Inebriate Asylum, Claremont, Pa.		1

	Vols.	Nos.
Allen, Hon. Charles	1	
Allen, Mrs. Charles A., Brookline	1	
Allen, Hon. Charles H., San Juan, Porto Rico	1	
Allerton, Samuel W., Chicago	1	
Allison, William A., New York City		1
Altona, Germany. Handelskammer		23
American Academy of Arts and Sciences	1	3
American Academy of Social and Political Science, Philadelphia		3
American Agriculturist Library, Springfield	1	
American Antiquarian Society, Worcester	2	3
American Association for the Advancement of Science	1	
American Association to Promote Teaching of Speech to the Deaf, Philadelphia		3
American Asylum for the Education and Instruction of the Deaf and Dumb, Hartford	1	
American Bankers' Association, New York City		1
American Baptist Home Mission Society, New York City	2	1
American Baptist Missionary Union	2	8
American Bar Association, Philadelphia	1	
American Bible Society, New York City	1	
American Board of Commissioners for Foreign Missions		6
American Catholic Historical Society, Philadelphia	1	
American Citizen 1900-01 subscription		
American Colonization Society		3
American Congregational Association		3
American Druggist Publishing Co., New York City		1
American Economic Association		1
American Geographical Society, New York City	1	3
American Homes Publishing Co., Knoxville	3	
American Humane Association, Fall River	1	
American Institute of Architects	1	3
American Institute of Homœopathy, New York City	1	
American Institute of Mining Engineers, New York City	3	
American-Irish Historical Society	1	
American Iron and Steel Association, Philadelphia	1	
American Jewish Historical Society, Washington		1
American Journal of Nursing, Publishers of, Rochester	1	
American Laryngological Association, Washington	1	
American Medico-Psychological Association, Baltimore	4	
American Missionary Association, New York City		6
American Monthly Magazine, Publishers of	1	
American Museum of Natural History, New York City	1	4
American New Church Tract and Publication Society, Philadelphia		1
American Numismatic and Archæological Society, New York City		1
American Peace Society	1	
American Philatelic Association, Chicago		1
American Philosophical Society, Philadelphia	3	2
American Purity Alliance, New York City		1
American Seamen's Friend Society, New York City		1
American Social Science Association		1
American Society for the Prevention of Cruelty to Animals, New York City	1	1
American Society of Civil Engineers, New York City	3	
American Society of Superintendents of Training Schools for Nurses, New York City	2	
American Statistical Association		4
American Surgical Association, Philadelphia	1	
American Union League Society, New York City	1	
American Unitarian Association 2 broadsides		173

	Vols.	Nos.
American Warehousemen's Association, New York City .	1	
American Water Works Association, New York City .		1
Amerikanische Turnzeitung, Milwaukee		
1900-01 subscription		
Amerikas Westnesis, Boston .	1900-01 subscription	
Ames, George B.	2	
Ames Free Library, North Easton	1	1
Amherst College	1	1
— Library		1
Among the Clouds, Mt. Washington 1900-01 subscription		
Amsterdam. Bureau Municipal de Statistique		13
Andover Theological Seminary	1	6
Andrews, C. W., Chicago	1	
Anonymous 1 broadside, 1 map	132	117
Anti-Imperialist League, Chicago		1
Antón y Ferrándiz, M., Madrid	1	
Antwerp. Conseil Communal		4
Appleton, D., & Co., New York City	1	
Appleton, William S.	5	36
Apprentices' Library Company of Philadelphia		1
Arbeiterstimme, Zürich 1 periodical subscription		
Architectural Studies Co., Chicago		2
Argentine Republic. Biblioteca del Museo Nacional.		
Buenos Aires		1
— Biblioteca Nacional, Buenos Aires	4	4
— Dirección General de Estadística		19
— Instituto Geográfico		1
— Ministerio de Agricultura		3
— Ministerio de Obras Públicas		6
— Ministerio del Interior		6
— Oficina Meteorológica	1	2
Arizona. Agricultural Experiment Station of the Univer-		
sity of Arizona		10
Arkansas. Agricultural Experiment Station		2
Armenian Benevolent Association of Boston	79	
Armstrong, Henry E., Newcastle-upon-Tyne		11
Arnim, A. K. von, Brookline 1,184 newspapers	45	35
Arnold, Howard P.	35	
Art Club of Philadelphia		2
Ashbridge, Hon. Samuel, Philadelphia	1	
Ashton-under-Lyne. Public Library		5
Asociación Salitrera de Propaganda, Iquique		2
Assan, B. G., Bucharest		9
Associated Charities of Boston		1
Association of American Anatomists, Washington		2
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— Town Clerk	1	
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Los Angeles. Chamber of Commerce	2	
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— City Library		5
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— Registrar of Vital Statistics		1
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Manitoba. Legislature	2	
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Trustees, report of, 1, 5; President, 1; Vice-President, 1; list of, 88.

Twentieth Regiment Memorial Association, 24.

Vice-President, Rev. Dr. James De Normandie elected, 1.

Walker, Gen. Francis A., bronze relief of, 5.

West End Branch, children's room established, 30, 44.

West Roxbury Branch, improvements at, 30, 44.



MARKET DEPARTMENT.

ANNUAL REPORT,

1900-1901.

OFFICE OF THE
SUPERINTENDENT OF MARKETS, March 1, 1901.

HON. THOMAS N. HART,
Mayor of the City of Boston :

DEAR SIR, — In conformity to Chapter 3, Section 24, of the Revised Ordinances, I herewith submit the report of the Department of Markets for the year ending January 31, 1901.

The work of the Department has been of a general routine nature. Extensive repairs have been made on that portion of the buildings used for market purposes, and they are now in good repair so that only ordinary repairs will be needed during the present year. In addition to the work done by the City, many extensive improvements have been made in the stalls and cellars at the expense of the lessees, which have been of great benefit to the property of the City. During the year a new iron awning, similar to the one placed around Faneuil Hall Market, has been placed around New Faneuil Hall Market, over the portion occupied by the lessees, at their own expense. This work was supplemented

by the City constructing a similar awning over the entrances to the market and Faneuil Hall. The awnings now in use add greatly to the appearance of the building, and are a convenience to the public, as well as to those who use Faneuil Hall, being a protection from the weather, and have replaced the old canvas awnings, which were unsightly and frequently out of repair.

The frequent digging up of the streets around the markets for the laying of new water and gas mains, sewers, cold storage systems, etc., has left them in bad condition, and they should be repaved in the improved method with concrete base. As all the above-named pipes have recently been renewed, it would seem that the work, if done now, would remain for several years without having to be disturbed.

Another pressing need at present is the renovating and improving of the water-closets in the basement of the market. The Public Buildings Department has given this matter considerable thought; plans have been prepared, which, if carried out, will enable the City to establish a public sanitary in the apartments now intended for the use only of the occupants of the market, and will supply a want greatly needed in this busy section.

At the time of renovating Faneuil Hall, arrangements were made for a ladies' toilet-room in the building. As the plans were changed, and the apartments placed on the third floor of the building, they cannot be of practical use until such time as a proper person will be placed in charge of them, whose duty it will be to care for them at all hours when the hall is open to the public. This will be a convenience to the thousands who annually visit the hall, and will also provide for the large number of ladies who are employed at the markets, for whom the City should provide accommodations.

For several years, under the regulations of the Street Department, Sanitary Division, dealers at the market have been required to remove the refuse of their business to the dumping scow at their own expense, besides paying a charge for the privilege of dumping the same. While under this system the refuse has not been permitted to accumulate so as to become offensive, it seems, if the practice is to continue, that no charge should be made at the scow for dumping the same. I am of opinion that the work would be done more satisfactorily were it in charge of the Sanitary Division, as formerly, and that it would not materially increase the expense.

The inspection of provisions has been carefully looked after, and the Department has been obliged to condemn as

unfit for food a much smaller quantity than in previous years. The amount so condemned was as follows: Eleven hundred sixty three (1,163) pounds poultry, one hundred thirty-one (131) pounds veal, one hundred eighty (180) pounds mutton, four hundred ten (410) pounds fish, two hundred fifteen (215) small game, ducks, quails, etc., and one hundred thirty (130) rabbits, besides large quantities of fruit and vegetables, which have been sent to the dumping scow.

The Police assigned for duty in the Department have made ninety seven (97) arrests for the following offences: Drunkenness, forty (40); larceny, twenty-nine (29); assault and battery, twelve (12); cruelty to animals, five (5); picking pockets, four (4); removing refuse from barrels, three (3); leaving teams unattended, two (2); stopping teams on crossings, two (2); total arrests, ninety-seven (97).

The income of the Department for the year ending January 31, 1901, has been as follows:

From rents of stalls and cellars in Faneuil Hall Market	\$65,364 00
From rents of stalls and cellars in new Faneuil Hall Market, ...	18,228 00
From rents of outside stands, Faneuil Hall Market	1,407 00
From weighing fees at City scales, Faneuil Hall Market	639 18
Total income	<u>\$85,638 18</u>

The appropriation for the Department of Markets for the year ending January 31, 1901, ninety-three hundred (9,300) dollars, was exceeded by thirty and $\frac{28}{100}$ (30.28) dollars, and was expended as follows:

Salary of Superintendent of Markets	\$3,000 00
“ “ Deputy Superintendent of Markets	1,500 00
“ “ Weigher at City Scales	1,100 00
“ “ Watchman	1,100 00
“ “ Messenger	1,000 00
Total for salaries	<u>\$7,700 00</u>
Paid for extra police, vacations and holidays	160 40
“ “ gas and electric light	900 25
“ “ miscellaneous supplies	569 63
Total expense	<u>\$9,330 28</u>

The property in the Department of Markets belonging to the City is as follows:

Electric light wirings and fittings in Faneuil Hall Markets, original cost	\$1,672 00
One Morris safe	150 00
One Howard watch clock	200 00
Carried forward	<u>\$2,022 00</u>

<i>Brought forward</i>	\$2,022 00
One Howard watch clock	50 00
Three roll-top desks and one roll case	150 00
Two clothes presses	30 00
Scales, weights, etc.	125 00
Bookcase, carpets, stoves, chairs, and small supplies	100 00
Total	<u>\$2,477 00</u>

Respectfully submitted,

GEORGE E. MCKAY,

Superintendent of Markets.



ANNUAL REPORT
OF THE
MUSIC DEPARTMENT
FOR THE YEAR 1900-1901.

BOSTON, May 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

DEAR SIR, — The Board of Music Trustees respectively submit their annual report :

At a meeting held June 7, 1900, organization of the Department for the year ending April 30, 1901 was completed by the election of James M. McLaughlin as Chairman, Cornelius Vander Pyl having been elected Secretary May 24.

The Commissioners and the terms for which they were elected were

J. THOMAS BALDWIN	.	.	.	.	Term to expire April 30, 1901
JOHN A. O'SHEA	.	.	.	.	" " " 1902
LOUIS BAER	.	.	.	.	" " " 1903
ALFRED P. DE VOTO	.	.	.	.	" " " 1904
JAMES M. McLAUGHLIN	.	.	.	.	" " " 1905

The appropriation allowed the Department, \$9,600 (ninety-six hundred dollars), was so much less than the Commissioners had hoped for that they were obliged to make radical changes in their plans for the year.

The proposed number of outdoor or summer concerts in the various sections of the City had to be reduced ; the contemplated series of regular Sunday evening concerts at Marine

park, South Boston, where conditions for open-air music are so favorable, had to be abandoned; the original scheme for a broad system of indoor or winter concerts was obliged to remain unfulfilled; and perhaps more important than all, the increase in the membership of the Municipal Band to sixty or more was necessarily postponed.

Notwithstanding the diminished appropriation, and contrary to custom, the committees in charge of Farragut Day, Seventeenth of June, and Fourth of July celebrations failed to provide for the usual band concerts on those days out of the several special appropriations, and in consequence the Board were unexpectedly called upon to expend \$1,000 in order that an essential feature of the holidays might not be wanting.

SUMMER CONCERTS.

The first concert of the season was given Sunday afternoon, June 17, on the Common, by the Municipal Band, thirty-seven men, Mr. Emil Mollenhauer, conductor. Eleven concerts were given at this place on successive Sunday afternoons.

Following is a list of all the concerts for the summer season of 1900:

Boston Common, Sunday afternoons	11
Boston Common, July 4, morning, afternoon and evening, ...	3
Faneuil Hall (Oration), July 4, morning	1
Marine park, South Boston, Sunday evenings	6
Charlestown, Monument square	2
Charlestown (parade, June 18)	1
East Boston, Wood Island park	1
East Boston, Central square	1
Meeting House Hill, Dorchester	1
Laurel street, Dorchester	1
Dorchester street, Dorchester	1
Peabody square, Ashmont	1
Jamaica pond	1
Blackstone park	1
North End park	2
Columbus square	1
Brighton, Wilson square	1
Roslindale Centre	1
Egleston square	1
Eliot square, Roxbury	1
Parker Hill, Roxbury	1
Dearborn and Mall streets, Roxbury	1
Total	41

WINTER CONCERTS.

During the fall meetings of the Board a decided change was made in the character of the indoor concerts for the winter season.

Instead of the string quartet, which had been engaged the past two years, an orchestra of nine players from the Boston Festival Orchestra, under the leadership of Mr. John C. Crowley, was organized.

Judging from the size of the audiences in the various parts of the City where the concerts were given the departure was well advised.

Fourteen concerts, a list of which follows, were provided by this capable organization, assisted by different vocalists, in available halls throughout the City.

A large orchestra of twenty players, likewise assisted by vocalists, directed by Mr. Mollenhauer, gave special concerts as follows: In Faneuil Hall and Lyceum Hall, one each, and in the Roxbury High School hall, two.

Perhaps the most important concert of the year, and probably the most highly appreciated, was the concert in Tremont Temple, January 29, consisting exclusively of compositions by American composers. Because of its novelty and originality as a municipal undertaking the program is reprinted on page 6.

SUMMARY OF WINTER CONCERTS.

Charlestown High School hall, Charlestown	2
Hancock School hall, North End	2
Brighton High School hall, Brighton	2
Lyceum Hall, East Boston	1
Lyman School hall	1
Roxbury High School hall, Roxbury	2
St. Peter's School hall, Dorchester	1
Bloomfield Hall, Dorchester	1
Curtis Hall, Jamaica Plain	2
Shurtleff School hall, South Boston	2
Franklin School hall, South End	1
Tremont Temple	1
Faneuil Hall	1
Total	19

ORGAN RECITALS.

During the winter season also the Commissioners were fortunate in securing the services of the following gentlemen, who gave interesting and instructive recitals upon the large organ in the Vine-street building (municipal):

H. C. MacDougall, John A. O'Shea, Walter E. Spalding, Everett E. Truette and George E. Whiting.

At Mr. MacDougall's recital, which was historical in its character, Mr. Louis C. Elson briefly reviewed the lives and works of the composers named on the program.

SUMMARY OF ORGAN RECITALS.

Vine-street building	7
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RECAPITULATION.

Summer concerts	41
Winter concerts	19
Organ recitals	7
Total	67

EXPENDITURES.

Musicians	\$7,052 60
Secretary's salary	1,595 36
Teaming and setting up band stands	694 50
Organ repairs	457 50
Attendants at Summer and Winter Concerts, ...	315 00
Hall rents (concerts and rehearsals)	147 00
Telephone service	181 26
Printing	147 13
Chairs for Vine-street building and band stands, ...	145 50
Stenographic service	145 00
Janitor service (Winter Concerts)	86 00
Sundry office expenses	54 00
Stationery	45 36
Advertising	36 49
Use of piano at Winter Concerts	15 00
Messenger service	9 87
Total	\$11,127 57

The Board desire to express to your Honor their appreciation of the interest you have taken in their work, and the assistance you have given them in providing for the citizens the

greatest number of free concerts ever given in a single year in the history of the City.

Through you, also, the members desire to acknowledge their obligations to the following municipal departments for courtesies extended: The Police Department, the Public School Department and the Public Buildings Department.

Very truly yours,

JAMES M. McLAUGHLIN,

Chairman.

On November 29, 1900, Commissioner J. Thomas Baldwin died. His keen business ability, his unsurpassed knowledge of municipal musical affairs, his faithful interest in the work of the Board, his kindness, geniality, and impartiality, endeared him to his fellow Commissioners, and by his death the Department was deprived of the advice and influence of an exemplary official.

GRAND CONCERT

— OF —

COMPOSITIONS BY AMERICAN COMPOSERS

— UNDER THE AUSPICES OF THE —

MUSIC COMMISSION OF BOSTON

TREMONT TEMPLE, JANUARY 29, 1901

— GIVEN BY AN —

ORCHESTRA OF FIFTY PLAYERS

Mr. EMIL MOLLENAUER, Conductor

Mrs. KILESki BRADBURY, Soloist

— PROGRAM —

PART I.

John Knowles Paine		Overture "As You Like It"
Henry K. Hadley		Scherzo from Symphony in F
Horatio W. Parker	Aria "O Bona Patria," from "Hora Novissima"	

Mrs. BRADBURY

Edward A. MacDowell	Two Movements from Suite for Orchestra Op. 42
(a) Shepherdess' Song	
(b) Forest Spirits	
George E. Whiting	 Overture "The Princess"

PART II.

John A. O'Shea		Concert Overture in D Major
Arthur Foote	Three Movements from Serenade for String Orchestra	
(a) Praeludium		
(b) Romanza		
(c) Gavotte		
George W. Chadwick		Overture "Melpomene"



ANNUAL REPORT
OF THE
BOARD OF OVERSEERS OF THE POOR
FOR THE
YEAR ENDING JANUARY 31, 1901.

BOSTON, March 14, 1901.

HON. THOMAS N. HART,
Mayor of the City of Boston:

SIR, — The Board of Overseers of the Poor herewith present their thirty-seventh annual report of the present series, covering the year from February 1, 1900, to January 31, 1901.

EXPENSES OF THE DEPARTMENT.

Our drafts upon the City Treasury during the year ending January 31, 1901, amounted to .	\$123,426 93
Sundry receipts paid over to City Collector .	14,203 56

Leaving the net charge to the City for the de- partment for the year	<u>\$109,223 37</u>
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Amount collected by us for care in City Hospi- tal of State paupers, and those belonging elsewhere than in Boston, and paid over to the Trustees of the City Hospital . . .	<u>\$36,197 66</u>
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STATISTICS OF CASES AIDED.

The number of families assisted by us in the year was 2,707, a decrease of 156 families from the previous year. Of these, 332 families resided in other cities and towns, but had retained their settlement in this city; and we received payment for aid rendered to 176 families residing in Boston, whose legal settlement was elsewhere.

The number of new cases aided during the year was 540, a decrease of 12 from the year previous. The total number of cases dealt with since 1864 is 35,798.

The number of official visits made by our visitors during the year was 19,921.

FAMILIES AIDED DURING THE YEAR ENDING JANUARY 31, 1901.

1,543 having settlements here, aided directly from this office, or by agents in the outlying districts.

332 having settlements here, aided in other cities and towns, through the overseers of the poor of those places.

262 families, of which the man is unsettled, the wife and children having a settlement here.

176 residing here, having settlements in other cities and towns, which refund amount of relief granted.

327 unsettled cases aided on account of the State.

67 non-settlement cases, temporarily aided.

2,707 families, representing about 8,121 persons.

NUMBER OF FAMILIES AIDED IN EACH MONTH OF THE PAST TWO YEARS.

1899. Feb.,	1,643 families.	1900. Feb.,	1,522 families.
March,	1,578 "	March,	1,494 "
April,	1,189 "	April,	1,117 "
May,	1,088 "	May,	1,010 "
June,	1,056 "	June,	991 "
July,	1,049 "	July,	1,002 "
Aug.,	971 "	Aug.,	962 "
Sept.,	1,005 "	Sept.,	957 "
Oct.,	1,001 "	Oct.,	1,028 "
Nov.,	1,059 "	Nov.,	1,053 "
Dec.,	1,287 "	Dec.,	1,329 "
1900. Jan.,	1,492 "	1901. Jan.,	1,513 "

DISTRICTS.	Number of Families aided.	Amount of Aid given	Population by Census of 1900.
East Boston	125	\$2,232 52	45,756
Charlestown	355	7,302 46	40,652
City Proper.....	705	18,388 19	167,257
South Boston	372	8,884 74	67,809
Roxbury.....	619	21,838 17	105,393
Dorchester.....	54	2,645 85	77,483
West Roxbury	69	2,872 56	37,263
Brighton	60	1,924 41	19,279
Living out of Boston, but aided from this office.....	16	929 63	
Living out of Boston and aided through officers of other cities and towns	332	11,947 56	
Totals	2,707	\$78,966 09	560,892

To the sum of \$78,966.09, given directly to the poor, should be added the sum of \$2,873.20, paid for burials, the sum of \$5,454.99 paid for support of the Temporary Home, and the further sum of \$8,133.89 paid for support of the Lodge for Wayfarers ; making a total of \$95,428.17 actually paid out by the Overseers of the Poor from the tax levy for the direct relief of the poor. We have also disbursed as trustees the further sum of \$26,639.43 to the various pensioners and beneficiaries adjudged worthy and falling within the provisions of the trusts.

THE WORK TEST.

The Board has continued to demand work of all able-bodied male applicants in return for groceries and coal furnished their families.

	1898.	1899.	1900.
Number of men who worked for aid given	562	393	399
Number of days' work actually performed	4,521	2,937	3,128
Number of men receiving work- cards who did not present them for work	113	74	60

THE WAYFARERS' LODGE.

The last annual report contained statistics relating to persons who had been sheltered at the Wayfarers' Lodge within the previous seven months. This year the tables cover the twelve months from February 1, 1900, to February 1,

1901. The belief expressed last year, that the general accuracy of these statistics is not open to serious doubt although based exclusively upon the unverified personal statements of the individuals concerned, is amply vindicated by the results of this year's longer and more careful investigation.

The tables give details in regard to 9,800 individuals. But as the total number of lodgers during the year is found to be 18,537, it is evident that 8,737 of them sought shelter at the Lodge more than once. In numerous instances the same person was housed there on three consecutive nights, while a few appear to have returned after an absence of a month or more.

The statistics showing place of birth strikingly agree with those obtained last year. The American born still constitute more than one-half of the whole number, or 53.02 per cent., as against 54.05 per cent. a year ago. The Irish again head the contingent of foreign-born lodgers, and this time with a slightly increased percentage, namely, 30.83 per cent., as against the former 28.27 per cent. The other nationalities considered retain the relative places held by them in last year's tables.

Neighboring cities and towns continue to furnish the great majority of lodgers. Comparatively few hail from beyond the borders of the Commonwealth. Residents of Boston rarely resort to the Lodge. Some of the strangers are sufficiently honest to admit that they came hither to spend their earnings in having a good time, and that they have accomplished this to their own injury. By far the larger number are drawn to Boston by a more or less vague hope of finding employment, and are honestly in search of work. Yet it cannot be doubted that a goodly proportion of the latter belong to the itinerant class of workers whose natural restlessness, among other causes, does not allow them to bide long in one place. It is a well-known fact that some of the most skilled craftsmen and operatives are of the wandering fraternity, though not to be classed with tramps.

Nearly sixty-seven per cent. of the lodgers were under forty years of age, as against sixty-three per cent. last year. The correspondence between the tables giving age periods for the two years is astonishingly close. The comparative youthfulness of the majority lends additional weight to the belief that the Lodge is mainly a place of shelter for the temporarily embarrassed and unfortunate and not for the vagrant or vicious. Were this not so, it is certain that many more would be found who have already passed the forty-fifth milestone.

The data relative to conjugal conditions conform almost precisely to those of last year.. The men who have been or are married form an insignificant minority.

The fact that the lodgers belong to the vigorous and healthy in the community is again confirmed by the statistics regarding physical condition, which show less than two per cent. to have been sick or permanently disabled.

The most notable divergence from the statistics presented in the last annual report occurs in the percentage of lodgers classed as skilled workmen, which is now 29.45 per cent., as against the former 39.18 per cent. It is largely due to a stricter classification of the occupations which cannot be engaged in without special training, none being considered as skilled workers who have not a definite trade. As formerly, the largest single occupation given is that of shoe manufacture in its various forms. Other occupations are represented somewhat in proportion to their numerical strength in the community.

An attempt has been made to gather some information about the wages received by the lodgers, and, in order to render comparisons simple, the weekly or monthly wage, where such was received, has been reduced to its equivalent per day. To avoid too complicated a statement those getting, for instance, \$1.20 a day, have been classed with those getting \$1.25, etc. The figures do not invariably stand for the exact amount the persons concerned may earn in the occupations they claim as their own, or which they have been trained for. Inquiry is made as to the amount of the wage last received; and the last employment may have been of a temporary character — a makeshift until something more desirable should turn up. This explains in part the percentages of both skilled and unskilled men who received less than \$1.00 per day. The table of wages nevertheless contains some highly suggestive facts, and indicates to some extent the relative earning capacity of the two classes of workers in question. Thus the largest group of the unskilled earned but \$1.50 per day, while the largest group among the skilled earned \$2.50 a day, or one dollar more. Again, while but 45.85 per cent. of the skilled got less than \$2.00 per day, this is true of 83.48 per cent. of the unskilled. The percentages of those whose earnings could not be computed are too insignificant to affect the general showing. The wage statistics confirm the correctness of the broad classification made of the industrial relations of the lodgers.

The whole inquiry tends to vindicate further the statement made a year ago, that the Wayfarers' Lodge is, generally

INDUSTRIAL RELATIONS.

	Number.	Per cent.
Skilled workmen	2,886	29.45
Unskilled "	6,836	69.76
Unknown "	78	0.79
	9,800	

WAGES PER DAY.

AMOUNT.	SKILLED WORKMEN.		UNSKILLED WORKMEN.	
	Number.	Per cent.	Number.	Per cent.
Less than \$1 00.....	130	4.5	1,473	21.55
1 25.....	485	16.81	1,100	16.09
1 50.....	467	16.18	2,401	35.12
1 75.....	241	8.36	733	10.72
2 00.....	491	17.00	493	7.21
2 50.....	675	23.4	146	2.13
3 00.....	210	7.28	72	1.05
4 00.....	105	3.64	—	—
More than 4 00.....	51	1.77	—	—
For themselves.....	6	0.2	33	0.47
On shares.....	7	0.24	75	1.09
On job.....	15	0.52	240	3.51
For board.....	3	0.1	70	1.02

NUMBER OF INDIVIDUAL LODGERS PER MONTH.

February	892	September	637
March	912	October	788
April	876	November	826
May	742	December	1,088
June	485	January	1,517
July	532		
August	505	Total	9,800

TOTAL NUMBER OF LODGERS BY MONTHS.

February	1,623	September	1,032
March	1,730	October	1,396
April	1,405	November	1,443
May	1,260	December	2,129
June	1,026	January	3,717
July	889		
August	887	Total	18,537

Total number of meals, 37,089.

THE TEMPORARY HOME FOR WOMEN AND CHILDREN.

By comparing the record cards of the year ending February 1, 1901, with those of the previous year, we find a slight decrease in the admissions of those who are known to have been in prison, and an increase in the more respectable class of women, who, through various misfortunes, have been obliged to seek temporary shelter with us. The women belonging to the vagrant class, addicted to drink, and generally with prison or almshouse records, who come repeatedly to the Home, furnish our hardest problem, but we try never to relax efforts for their help and regeneration. We are happy to report marked improvement in several of these cases. One of these women, who, previous to 1897, had been in prison thirty-three times, has not been arrested since that date. She has been in the Home a fewer number of days during the past two years than in the one year previous to her last sentence to prison. She appears much brighter mentally, looks better physically, and drinks less. The Home has found housework for her at the average of three times a year during the last two years, and her record in these places has been encouraging.

Another woman, who came to the Home forty-one times, between 1890 and 1896, has only sought admission eight times during the years since then. Her record for work has improved, and she is at present in a good situation at domestic service.

Of the four hundred new women and children who have come to us during the year the greater number have come only once, and many only for one night. Among these are the following:

A girl of sixteen ran away from her family in a town in this State and applied at this Home. The matron found that she was in correspondence with a young man, and through co-operation with the Children's Aid Society, finally induced the girl to return to her home, where she was doing well at last reports.

A girl of fifteen applied at the Home, having run away from her people in a distant town. After some days the matron persuaded her to return to her family.

Another young girl from a neighboring town came to Boston to marry a man whom she had never seen, but with whom, through the influence of a friend, she had entered into correspondence. The man had invited the girl to visit him at his lodging, but failing to find him at the address given, she applied for shelter at this Home. The matron persuaded

her to send for the man to call upon her here, and not feeling reassured by his appearance, persuaded the girl to refuse to accompany him to his boarding-house, and finally succeeded in returning her to her relatives.

Another girl, who recently came to the Home, was found a situation, where she gave entire satisfaction, and was kept as long as the family needed help. She returned to the Home to ask for more work, and on the same day a well-to-do sister, who for nine years had vainly tried to find her, applied at the Home to see if by chance the girl's address was known here. She immediately took her sister home with her.

Another young woman came to us with a child three weeks old. She had been vainly trying to place the child in an institution. The woman seemed insane, but, under care and with good food all traces of mental disturbance disappeared. The child is now being boarded in a family, and the mother has work. She has since called at the Home to thank the matrons for their kindness to her.

One woman with six children came here from a neighboring city to find her husband. They were kept here for several days, the husband was found, and is now supporting his family.

A neat looking young woman walked with her husband from Worcester to Boston, having heard that work was easily found in this City. She passed one night at the Home, and the following day both man and wife found work, and have since called here to express gratitude for the assistance given.

A young man of twenty-four brought his wife here to ask shelter for her while he was seeking work. In a few days, having found employment, he returned for his wife, and has since called at the Home to report that they were doing well, and to express his gratitude for help and encouragement given.

A young wife applied here because she felt she could no longer live with her husband, as he starved and beat her. The husband came to find her at the Home. The matron reasoned with them and finally drew up an agreement, which they signed, and by which a certain sum of money was to be set aside for food. The wife has since called to say that she had followed the advice given, and there had been no trouble since her return home.

The Home co-operates with other agencies, both public and private. In many instances these various societies send women to remain in the Home while they seek to provide for them permanently.

The Home has received a legacy of \$200 under the will of Mrs. Elmira P. Balch, and it has been spent in renovating the night nursery, which has received the name of the donor.

A Christmas gift of \$5.00, from Mr. Edward E. Bennett, has been spent in buying picture books for the nursery, and in providing a magazine and weekly paper for the women.

The committee gratefully acknowledge the receipt of twenty bushels of apples from the "Boston Post," donations of brown bread, pies and cakes at Christmas and Thanksgiving from the Cobb, Bates & Yerxa Company, and the gift of the "New Century Magazine" sent to them since September of last year by Miss Lydia Cross, M.D., on behalf of the Theosophical Society; also various anonymous gifts of clothing, books, and toys received during the year.

Record of Women Admitted to the Home in 1900.

	400 new cases, or women who had not been in Home previous to 1900.		368 old cases, or women who had been in Home previous to 1900.					Totals.
	Came once only.	Came more than once.	Came in 1899, 1900.	Came in 1898, 1899, 1900.	Came in 1897, 1898, 1899, 1900.	Came in 1896, 1897, 1898, 1899, 1900.	Came occasionally in previous years.	
Known to have been in prison and almshouse.....	2	1	10	8	9	15	31	76
Known to have been in prison only.....	4	1	12	8	2	14	23	64
Known to have been in almshouse only.....	85	20	26	10	6	4	49	200
Not known to have been in prison or almshouse.....	247	40	38	11	7	5	80	428
Totals.....	338	62	86	37	24	38	183	768

95 places secured at domestic service by Industrial Aid Society.

128 places secured at domestic service by the Home.

563 women admitted once only, or 563 times.

205 women admitted 607 times.

Record of Children Admitted to the Home in 1900.

670 children admitted 706 times.

Of whom 284 came with mothers.

“ “ 21 were lost children.

“ “ 7 were foundlings.

“ “ 161 came in various ways.

“ “ 144 were sent by the State.

“ “ 53 by Society for Prevention of Cruelty to Children.

Record of Outside Relief.

1,455 meals given to 577 women (160 of whom had been inmates) and 63 children.

8 of these women had over 25 meals each.

16 “ “ “ “ from 10 to 25 meals each.

1,431 “ “ “ “ “ 1 to 10 “ “

EXPENSES OF DEPARTMENT.

We are happy to record the fact that the amount of our drafts upon the City Treasury are less by \$5,954.69 than last year, and the net cost of our department to the City was \$3,588.28 less. The amount of aid given was \$6,708.69 less than last year.

We collected and turned over to the trustees of the City Hospital for the care of State and town paupers in that institution \$36,197.66.

NUMBER AND SALARIES OF EMPLOYEES.

			Salaries, Feb. 1, 1900. Jan. 31, 1901.	
In office,	14	.	\$22,200 00	\$22,370 00
“ building,	2	.	2,600 00	2,600 00
“ outlying districts,	4	.	1,100 00	1,100 00
“ storehouse,	3	.	2,674 00	2,804 00
“ Temporary Home,	5	.	2,220 00	2,220 00
“ Lodge for Wayfarers,	3	.	3,688 00	3,288 00

REGISTRATION OF CASES.

Early in the year we adopted a new system of registering the families aided by us. What is known as the card system is now used. Practically the same system of cards is now in use in all departments of the City which have to do with caring for the poor, the mentally diseased and the criminals. Pretty nearly the same questions are asked by all the departments, although different lines of inquiry are necessarily

followed out by each, concerning the persons coming under its scope. All these inquiries and the answers to them are now tabulated on cards of similar size and general design; all vital statistics, questions involving ancestors, etc., being framed on the same general lines. In this way information regarding cases dealt with by more than one department is much more easily collated, and what is known as the Institutions Registration Department acts as a general clearing-house for all City departments registering with it.

This last named department is now furnished by us each week with the number of individuals aided by us during the week in the two institutions under our charge, the Wayfarers' Lodge and the Temporary Home for Women and Children, as well as in the homes of the poor.

The new cards are somewhat more searching in their inquiries, and deal more closely than heretofore with the physical condition of the applicants and the members of the families helped and their ancestors. It is hoped that in time the facts thus gathered will be of great value in the study of the causes which lie behind the poverty of our City. They certainly tend to throw a good deal of light upon the present conditions of pauperism.

THE NATHANIEL FREDERIC THAYER FUND.

Miss Caroline Coddington Thayer died in Boston, February 15, 1891. By her will, after making certain bequests, she left all the rest and residue of her estate to her sisters for life, with remainder over to the City of Boston for charitable purposes. The following is an extract from her will:

"I give the income of all my property, saving what I have previously mentioned, to my two sisters, Mrs. Susan I. Balch and Mrs. R. Anne Nichols, for them to have and use during their lives; at the death of the last of them I give it all, real and personal, to the City of Boston to be invested and held and the income given to Protestant widows and single women without restrictions of color, such being the desire of my sister Eliza M. Thayer (now deceased), as well as myself."

In a codicil she says, "I desire the property given by me to the City of Boston to be invested in a fund to be formed for the benefit and use of Protestant widows and single women, without distinction of color, 'preference always to be given to those who have seen better days;' this fund to be called the Nathaniel Frederic Thayer Fund, the interest of which I desire to be annually appropriated to the uses above designated."

Both of Miss Thayer's sisters having died, the Overseers of the Poor came into possession of money, securities and real estate amounting to \$23,346.50. The votes of the Board accepting the gift and establishing the fund are as follows:

Voted, That the legacy of Caroline C. Thayer be accepted, and that the Treasurer of this Board, Richard C. Humphreys, be and hereby is authorized to receive the amount thereof, from the executor of the will of Caroline C. Thayer, and receipt for the same on behalf of this Board.

Voted, That the amount of the legacy be invested in a fund to be called the Nathaniel Frederic Thayer Fund, and that the income be paid as provided in the will.

By the will of her sister, Susan T. Balch, a bequest of the sum of \$390.77 was given to be held on the same trusts as those established by Miss Thayer, and that amount has been added to the Nathaniel Frederic Thayer Fund.

WEST ROXBURY DISTRICT.

Owing to the resignation of Mr. Elliott it became necessary to appoint a new agent in this district. The Board was so fortunate as to secure the services of Dr. Arthur P. Perry, a long time resident in the district, and a man who has had much valuable experience in charity work.

DEATH OF MICHAEL A. KERRIGAN.

Our Board was called upon, early in the autumn, to mourn the loss of one of its most valued members, Mr. M. A. Kerrigan. His illness had been a long one, but we had expected his recovery. He passed away on the tenth day of October, 1900. Mr. Kerrigan was highly esteemed by all his associates on the Board. He was a man of fine character, and devoted to the interests of the poor. His term of service was not long, but he had served upon important committees, and had demonstrated his capacity for the best service.

A special meeting was held, and resolutions were passed expressing the sympathy of the Board for his widow and the regard in which Mr. Kerrigan was held by his fellow members. The Board also voted to attend the funeral in a body. A copy of the action of the Board will be found in the Appendix.

RESIGNATION OF MISS ROGERS.

The withdrawal of Miss Annette P. Rogers from our work is deeply deplored. A member of the Board for nearly ten years, she brought to it keenest interest, great experience and unusual ability; and she gave to it most painstaking labor and a great deal of valuable time. She was indefatigable in her efforts in behalf of the Temporary Home, of which she had especial care for many years as chairman of the committee which had it in charge. It is due largely to Miss Rogers' skill and patience and intelligent grasp of details that the work of the Board has been kept in the front rank of achievement during the last decade. She was fully alive to the progress of modern thought and to the latest developments of both scientific and practical charity.

Owing to her prolonged absence in Europe and the state of her health she felt obliged to send us a letter of resignation in October. It was accepted with sincere regret.

DEATH OF MISS MURTAGH.

Miss Helen F. Murtagh, for many years order clerk in our office, died in January after a lingering illness. Her place was filled by the promotion of Mr. Edward F. Kenney from the storehouse.

RESIGNATION OF MR. RICHARDS.

In January of this year Mr. Henry L. Richards, who for twenty years had been one of our most valued visitors, was obliged through the infirmities incident to his advancing years to resign his position. During his long term of faithful service Mr. Richards had endeared himself to those with whom he was brought in contact by his sturdy character, his earnest endeavor to do his duty as he found it, and his keen interest in the welfare of those whom he served. The poor always found him patient with their infirmities, alive to their needs, and a firm friend. His remarkable vigor enabled him to continue in active service till past his eighty-fifth year.

DISTRICT PHYSICIANS.

The City Council made a special appropriation of \$1,500 to our department with the request that it be used to pay the salaries of physicians in South Boston, East Boston and Charlestown. This was unasked and unexpected by us. The Board has always had the control of its own appropria-

tions and did not feel that there was any necessity for making any radical changes in existing arrangements for the care of the sick poor. The money was not used.

The policy of the Board has been for many years to do away, as far as possible, with salaried physicians for the sick poor, preferring to supplement private charity whenever necessary rather than to encourage this most invidious and dangerous form of pauperism. Nearly the whole of the City is admirably cared for by that noble charity, the Boston Dispensary with its large corps of physicians. Where the Boston Dispensary has no visiting physicians the Board has made ample provision for the immediate care of the sick poor in all instances. In addition, the individual overseers and the visitors in their respective districts can always call upon physicians to treat emergency cases.

THE PROBLEM OF WIFE DESERTION.

For many years we have remarked upon the deplorably large number of deserted wives whom with their families the City is helping in their homes. We sometimes wonder if the laws of this State in the matter of compelling support by the husband and in punishing him for neglecting to support his family are sufficiently stringent. With the view of ascertaining facts which might throw light upon this problem of desertion we have, during the past summer, made thorough inquiries into the cases of wife desertion actually under our care. Some of the results of our investigation are submitted.

Our statistics relate to 153 families. In each instance the wife was at some time deserted by the husband. In a few cases periodical desertions appear to have taken place.

In general it may be inferred from the data of occupation that these families belong to the same social grade, from which most of our dependents are recruited. Of the 146 men whose occupation is given, 54 or 36.98 per cent. may be classed as unskilled workmen, which is, perhaps, a lower percentage than might have been expected. The somewhat nomadic tendency of a number is indicated by the birthplaces of the children, which show the families to have moved from place to place with considerable frequency.

In 108 cases, or 70.58 per cent., both husband and wife were of the same nationality, namely :

Irish	48	Negroes	6
British Provinces	16	English	4
Americans	12	Portuguese	4
Hebrew	8	Other	10

In forty-five cases, or 29.41 per cent., husband or wife were not of the same nationality ; in twenty-five instances one of the contracting parties was Irish, and in thirteen one was American.

It is, of course, difficult to read the exact meaning of these statistics of nationality. We notice the relative absence in these columns of some nationalities largely represented in Boston.

With regard to age, our statistics offer some suggestive facts. In 36 out of 141 instances, in which the age of the husband is known, it is found to be under that of the wife. On the other hand, only in very few cases does the age of the husband greatly exceed that of the wife. With reference to the age at which matrimony was begun we have no indication except the age of the oldest child ; but this may be safe enough for the purpose in hand. Our computation, so far as the women are concerned (the men may here be left out of consideration) results as follows :

Number.	Age at marriage.	Number.	Age at marriage.
2 . . .	14	16 . . .	26
3 . . .	15	5 . . .	27
5 . . .	16	4 . . .	28
9 . . .	17	1 . . .	29
7 . . .	18	4 . . .	30
15 . . .	19	4 . . .	31
10 . . .	20	0 . . .	32
14 . . .	21	0 . . .	33
14 . . .	22	3 . . .	34
6 . . .	23	1 . . .	35
4 . . .	24	3 . . .	36
13 . . .	25		

Thus of the 143 women concerned (for 10 cases no figures are given) 79, or more than one-half, were married at the age of 22 years or earlier ; and 41, or 28.67 per cent., at 19 years of age or under. Comparatively few appear to have entered matrimony after the 26th year.

In 81 cases desertion took place before the wife had attained the 35th year, and in a majority of the same cases before she was 30 years old, as will be seen below :

Age Periods of Women at the Time of Desertion.

	AGES.								
	15-19.	20-24.	25-29.	30-34.	35-39.	40-43.	45-49.	50-54.	55-59.
Number of women	1	10	40	30	28	33	6	3	2

In 5 of the 153 families there were no children; the remaining 148 show a total of 507 children, or an average of less than 4 per family. In 58 families there were 4 or more children, 14 had 6 or more, and only 1 had as many as 10. With a few exceptions the children were of tender age at the time of desertion. How far a desire to escape the burden of supporting a large family was an active motive for desertion cannot be definitely determined. On this point the statistics do not permit any valid inference.

TRUST FUNDS.

The total amount of the trust funds in our charge as a corporation is now \$750,985.16.

The number of beneficiaries now aided from the Pember-ton, the Boylston Relief, the David Sears Charity, the Moses Hunt, and the Goodnow Funds is 250; 14 less than on February 1, 1900. During the year 21 have died, 2 have withdrawn, 1 gone to the almshouse, 3 transferred to our pauper relief pension fund, and in 8 cases we have stopped the pensions which we had been giving. Twenty-one new names have been added.

We have paid during the year from the Boylston Education Fund \$6,327.97.

For the details of the various funds held by us, showing receipts and expenditures since February 1, 1900, see statement submitted herewith. Extracts from the wills establishing these trusts will be found at the end of this report.

FINANCIAL STATISTICS.

The reports of the secretary and treasurer submitted herewith show receipts and expenditures during the last twelve months in detail. The books and accounts were audited by an expert accountant, whose certificate is hereto annexed.* A schedule of the personal property in our hands February 1, 1901, is also annexed.

Respectfully submitted,

In behalf of the Overseers of the Poor,

WILLIAM P. FOWLER,

Chairman.

* BOSTON, March 11, 1901.

WILLIAM P. FOWLER, Esq.,
Chairman, Overseers of the Poor.

SIR, — *This is to certify that I have made a careful examination of the books and accounts of the Overseers of the Poor, and those relating to the Trust Funds, for the year ending January 31, 1901, and find them clear and correct.*

All receipts of money were deposited in banks, all payments vouched, and cash balances on January 31, 1901, shown to be on hand.

Faithfully,

GEO. T. STODDARD,

Auditor.

FINANCIAL REPORT.

Statement of receipts and expenditures for the year ending
January 31, 1901:

RECEIPTS.

Cash on hand February 1, 1900, .	\$7,904 34	
Drafts on City Treasurer, and requisition for Temporary Home and Wayfarers' Lodge,	123,426 93	
Cash from cities and towns .	5,220 94	
Cash from occupants of Charity Building, for heating	1,009 44	
Cash from Commonwealth, for relief	5,611 90	
Cash from State and other sources, for burials	1,792 81	
Aid returned by paupers . . .	53 84	
Cash for board of children in Temporary Home	151 43	
Receipts on account of aid in City Hospital:		
Cities and towns, \$9,252 65		
State of Massa- chusetts	26,898 57	
		36,151 22
Received from State of Massa- chusetts, for account of Car- ney Hospital cases	2,043 59	
Receipts from sale of old barrels, etc., by the Supply Depart- ment	338 10	
Interest on deposits	156 64	
Bequest to City Temporary Home from Elmira P. Balch,	200 00	
		<u>\$184,061 18</u>

EXPENDITURES.

Amount paid for burials . . .	\$2,873 20	
Amount paid cities and towns for relief of Boston poor . .	11,947 56	
Amount paid expenses Temporary Home	5,454 99	
Amount paid expenses Lodge for Wayfarers	8,133 89	
Amount paid pensions and grants at office	20,288 79	
Amount cash paid for relief of persons having no settlement,	1,632 45	
Amount paid for fuel, 1,065½ tons coal and 25 cords and 5½ feet of wood	6,701 67	
Amount paid for groceries and expense of delivery	33,688 57	
Amount paid salaries of treas- urer and secretary	4,500 00	
Amount paid salaries of book- keeper and clerks	5,332 00	
Amount paid salaries of visitors and agents	13,403 88	
Amount paid office expenses . .	1,080 77	
Amount paid transportation . .	566 81	
Amount paid Charity Building expenses \$4,963 45		
Extra for painting, ...	605 75	
Extra for repairs on boilers and boiler house	573 80	
		6,143 00
Paid from Balch bequest for painting, whitewashing, etc., done in "Balch room"	175 85	
Amount paid medical attend- ance and medicine	734 07	
Cash paid City Hospital	36,197 66	
Cash paid City Collector	14,203 56	
Cash paid Carney Hospital, as received from Commonwealth,	2,043 59	
Cash balance, January 31, 1901, including \$24.15 belonging to Balch bequest	8,958 87	
		<u>\$184,061 18</u>

PAYMENTS TO THE CITY COLLECTOR DURING THE YEAR.

Receipts from occupants of Charity Building	
for heating during the year	\$1,009 44
Receipts from cities and towns	5,249 14
Receipts from the State for burials	1,600 40
Receipts from the State for relief of sick and	
wife-settlement cases	2,021 06
Receipts from the State for temporary aid	3,590 84
Receipts for sundry burials	189 41
Receipts from paupers, aid refunded by them, ...	53 84
Receipts for account Temporary Home, board	
of women and children	151 43
Receipts from sale of barrels by Supply De-	
partment	338 00
	\$14,203 56

EXPENDITURES ON ACCOUNT OF LODGE FOR WAYFARERS.

Salaries	\$3,600 55
Groceries and provisions	2,914 55
Furnishing goods and furniture	275 95
Fuel, 85 tons of coal	407 75
Gas and electric lighting	151 35
Repairs	208 95
Whitewashing	82 00
Stationery and printing	137 09
Water-rates	47 50
Sundries	9 50
Disinfectants	\$87 85
Washing sheets and bedding	210 85
	298 70.
	\$8,133 89

EXPENDITURES ON ACCOUNT OF CHARITY BUILDING.

Fuel, 300 tons coal and $\frac{1}{2}$ cord wood	\$1,369 25
Engineer's salary	1,601 00
Janitor's salary	996 84
Disinfectants	32 40
Gas \$58.86, and electric lighting \$205.93	264 79
Water-rates	14 00
<i>Carried forward</i>	\$4,278 28

<i>Brought forward</i>						\$4,278 28
Furnishings	.	.	.	.	.	30 09
Extra labor in building	.	.	.	.	.	30 00
Boiler-house repairs	.	.	.	.	.	257 30
General repairs	.	.	.	.	.	183 53
Painting	.	.	.	.	.	605 75
Repairing roof	.	.	.	.	.	316 50
Cleaning	.	.	.	.	.	439 05
Cleaning yard	.	.	.	.	.	2 50
						\$6,143 00
Deduct estimated cost of heating the Temporary Home, included in the above	.	.	.	.	.	\$1,397 57
Also amount received from occu- pants	.	.	.	.	.	1,009 44
						2,407 01
Net cost	.	.	.	.	.	<u>\$3,735 99</u>

EXPENDITURES FOR CITY TEMPORARY HOME.

Groceries, provisions, etc.	.	.	.	.		\$1,226 32
Salaries	.	.	.	.	.	2,220 00
Extra help	.	.	.	.	.	44 00
Fuel, 15 tons coal, 2 cords wood	.	.	.	.	.	105 75
Gas and electric lighting	.	.	.	.	.	119 17
Water-rates	.	.	.	.	.	31 90
Medical attendance and medicine	.	.	.	.	.	\$38 10
Confinement cases	.	.	.	.	.	670 00
						708 10
Furniture and household goods	.	.	.	.	.	159 20
Repairs	.	.	.	.	.	347 51
Painting	.	.	.	.	.	208 00
Sundries	.	.	.	.	.	76 98
Plastering, block-work etc., in day nursery	.	.	.	.	.	154 91
Stationery	.	.	.	.	.	32 85
Cleaning range and windows	.	.	.	.	.	20 30
Estimated cost of heating, included in Charity Building expenditures	.	.	.	.	.	1,397 57
						\$6,852 56
Deduct receipts for board	.	.	.	.	.	244 41
Net cost	.	.	.	.	.	<u>\$6,608 15</u>

TRUST FUNDS IN THE HANDS OF THE OVERSEERS OF THE POOR.

Pemberton Fund.—This fund comprises bequests and gifts made to the City of Boston from 1760 to the present time from “A. B.,” Daniel Oliver, Margaret Blackader, Alice Quick, Anne Wheelwright, Mary Ireland, Benjamin Pemberton, Martha Stevens, Mrs. H. Driscoll, William Breed, Samuel Eliot, John Coffin Jones, Mary Belknap, “A Citizen of Boston” Anonymous, Miss Dr. Harriot K. Hunt, George Higginson, Walter E. Hawes, and William B. Spooner. The most important, however, of the bequests was from Benjamin Pemberton, Esq., whose will was proved June 25, 1782, and for that reason his name has been given to the fund. The income of this fund is to be expended, at the discretion of the Overseers in semi-annual payments to the poor of the City.

Boylston Relief and Education Funds.—These funds were from a bequest by John Boylston, who died in London, England. His will was proved June 12, 1795. One portion of the bequest is ordered to be paid to “poor and decayed householders of the town of Boston, not under fifty years of age, persons of good character, and reduced by the acts of Providence, not by indolence, extravagance, or other vice.” The other portion to be applied to the “nurture and instruction of poor orphans and deserted children of the town of Boston until fourteen years of age.”

Mason Funds.—A bequest from Jonathan Mason, by will dated July 15, 1798, interest to be paid annually “to the standing chaplain of the almshouse and workhouse, or by whatever other name called;” interest to be added until one is appointed. The interest is now paid semi-annually towards the salary of the chaplain of the House of Industry.

Dexter Fund.—A bequest from Samuel Dexter, by will dated May 7, 1811, “for supplying with firewood or coal such poor persons, objects of charity, as are not supported in the almshouse, though sometimes relieved by the Overseers of the Poor.”

Jeffries Fund. — A bequest by David Jeffries, former Town Treasurer. Will dated January, 1786: "Income to be applied to the purchase of tea, coffee, chocolate, and sugar, for the refreshment of those persons, who, in the providence of God are or shall be reduced and obliged to take shelter in the almshouse, after having lived reputably; the Overseers of the Poor to be judges as to the persons, but always giving the preference to the pious poor."

Lucy Bullman Charity. — Consists of an estate on Cambridge and Joy streets, in this City, which came into the possession of the City of Boston, in accordance with the will of Lucy Bullman, proved at Probate Court, Suffolk County, January 9, 1832, in which it is provided that, upon the death of certain persons therein named, said estate is given to the City of Boston, upon the condition that the estate should never be sold, but the income used for the benefit of the poor. By a vote of the City Council, approved by the Mayor, January 4, 1873, this estate was placed in charge of the Overseers of the Poor.

The David Sears Charity. — Is a fund contributed by the late Hon. David Sears for the relief of the poor, the income only to be expended "in aid and for the support of citizens or families who may have seen better days, and for charity in all its forms, in such a manner as may best tend to alleviate the sufferings of human life and render the condition of the poor more comfortable."

Pierce Fuel Fund. — The legacy of Caleb Pierce to the City of Charlestown, accepted by the City Council of that city, May, 1861: "Income to be expended in the purchase of fuel, to be distributed to those indigent widows whose husbands, before their decease, had resided in Charlestown at least one year, and the said widows still continuing to reside in Charlestown at the time of receiving said bounty. Income payable annually to the Trustees of the Charlestown Poor Fund."

Holton Protestant Poor Fund. — A bequest by James Holton to the inhabitants of the town of Brighton: "Income to be annually expended forever in purchasing and distributing provisions among poor and indigent Protestant families in said town of Brighton, on Thanksgiving or other holidays, or just previous to such holidays, to the end that such poor Protestant families may have the means, in some degree, of enjoying such holidays in common with their fellow-citizens; and I specially direct that in such periodical distributions unmarried Protestant females who are poor or needy shall receive a liberal share of provisions, and also other articles

of comfort, such as such distributors shall deem to be the most conducive to the comfort and happiness of that lone class of citizens."

Holton Protestant Pauper Fund.—A bequest by James Holton to the inhabitants of the town of Brighton: "Income to be annually expended, in whole or in part, as necessity or circumstances may require, by the Selectmen of said town, in providing good and plentiful meals on Thanksgiving day or other holidays, to the Protestant paupers of said Brighton." If the whole of said income shall not be required to be so expended, then the surplus shall be added to the principal, and if such principal shall ever become thus augmented to three thousand dollars or more, then the surplus interest or income, over what shall be necessary for furnishing said festive meals on said holidays, may be expended by said Selectmen for the comfort of the Protestant paupers of said Brighton in such manner as said Selectmen shall judge best and most conducive to the comfort and happiness of such paupers.

Stoughton Poor Fund.—A bequest of Lieut.-Gov. William Stoughton, who died July 7, 1701. By his will he gave £50 to the relief of the poor of Dorchester, to be improved by the care of the Selectmen, the income to be distributed to the most needy inhabitants.

Goodnow Fund.—A bequest of Elisha Goodnow (to be paid over upon the decease of his wife) to the City of Boston and its assigns, "to be invested and the income applied forever to and for the relief, assistance and support of the poor, sick and infirm in said City, not supported by the said City in its almshouse, in such manner as the said City, or the government or officers thereof, may deem most judicious, but without reference to the religious faith or belief of those who may apply for or need the assistance of this fund." Five thousand dollars, received April 29, 1885.

Rachel T. Stevens Fund.—A bequest of Rachel T. Stevens, the net income to be paid (after the death of a person named in the will) "for the support and maintenance of poor, worthy Protestant single women of Boston, who have arrived at the age of 50 years (not including widows), paying to each of such women during her life the sum of one hundred dollars in semi-annual payments. Upon the marriage of any beneficiary under this will no further payment of money is to be made to her, nor is any further payment of income to be made to any beneficiary who becomes unworthy of help under this trust."

Moses Hunt Fund for the Destitute.—"The income to be devoted to the relief and welfare of Protestant destitute

residents of that part of said Boston which was Charlestown." Ten thousand dollars, received March 7, 1889, has been invested in a City of Boston note.

Nathaniel Frederic Thayer Fund. — "Income to be annually appropriated for the benefit and use of Protestant widows and single women, without distinction of color, preference always to be given to those who have seen better days."

OVERSEERS OF THE POOR, 1900-1901.

[One-third of the Board is appointed annually by the Mayor, subject to the approval of the Board of Aldermen.]

Terms expire April 30, 1901.

WILLIAM P. FOWLER, *Chairman*, EDITH P. WOLCOTT,
THOMAS SPROULES, HENRY L. PLUMMER.

Terms expire April 30, 1902.

ANNIE E. QUINN, FREDERIC H. NAZRO,
LOUISE S. O'BRIEN, PATRICK J. GREENE.

Terms expire April 30, 1903.

FREDERICK W. STUART, JAMES H. CONLEY,
J. HOMER PIERCE, MARTHA W. FOLSOM.

RICHARD C. HUMPHREYS, *Treasurer*.
BENJAMIN PETTEE, *Secretary*.

The Board meets on the first Wednesday of every month, at its office in Charity Building.

The Overseers of the Poor are likewise incorporated as a Board of Trustees of John Boylston's and other charitable funds, left for the assistance of persons of good character and advanced age, "who have been reduced by misfortune to indigence and want."

COMMITTEES.

Investigation and Relief.

Messrs. Fowler and Sproules, Mrs. Wolcott, Dr. Stuart, Miss O'Brien, Mr. Pierce, and Dr. Plummer.

Finance and Accounts.

Messrs. Pierce, Plummer, and Conley.

Employments and Settlements.

Mrs. Quinn, Mr. Conley, and Mrs. Folsom.

Supplies.

Messrs. Sproules, Fowler, and Nazro.

Temporary Home.

Mrs. Wolcott, Mr. Sproules, and Miss O'Brien.

Lodge for Wayfarers and the Woodyard.

Messrs. Fowler, Nazro, and Greene.

Building.

Mr. Sproules, Dr. Stuart, and Mrs. Folsom.

Real Estate.

Mr. Pierce, Mrs. Quinn, and Mr. Conley.

Medical.

Dr. Plummer, Dr. Stuart, and Mrs. Folsom.

Burials.

Dr. Stuart, Mrs. Quinn, and Mr. Greene.

Boylston Education Fund Beneficiaries.

Mrs. Wolcott, Mr. Pierce, and Miss O'Brien.

Holton Funds.

Dr. Plummer and Mr. Nazro.

Widows with Children.

Miss O'Brien, Mrs. Wolcott, and Mr. Conley.

OVERSEERS OF THE POOR WERE FIRST CHOSEN IN
BOSTON IN 1691.

MEMBERS OF THE BOARD FROM ITS REORGANIZATION
IN 1864.

- * Allen, Ira, 1868 to 1875 (died August 29).
- * Amory, Thomas C., 1864 to April, 1883.
- * Atkins, Ebenezer, 1864 to December 31, 1867 (died).
Ayer, James B., April, 1890, to May, 1893.
- * Bailey, Joseph T., November, 1866, to 1871.
- * Bigelow, Alanson, 1875 to April, 1881.
- * Blasland, Thomas, 1866 to 1873 (died September 5).
- * Buckley, Joseph, 1864 to 1875.
Burnham, Daniel S., from April, 1885, to May, 1891.
- Campbell, B. F., October, 1882, to July, 1888.
- * Campbell, Isaac T., 1873 to June, 1899 (died).
- * Caton, Asa H., December, 1890, to 1893.
Coleman, Charles, 1893 to May, 1896.
- Conley, James H., May, 1900, to date.
- * Crane, P. M., 1870 to 1882 (died August 13).
- * Cruft, Samuel B., 1871 to 1877.
Cunningham, Henry V., 1893 to April, 1898.
- * Curry, M. C., 1883 to May, 1896,
- * Curtis, George, 1876 to September, 1878.
- Davis, James G., 1880 to 1886.
- * Day, Frederick W., May, 1898, to January, 1899.
- Dore, John P., 1879 to May, 1891.
- Downey, Thos., jr., 1887 to April, 1890, and May, 1891,
to January, 1895.
- * Fabyan, George, 1869 to 1874 (died May 25).
- Fisher, Andrew P., from April, 1889, to May, 1893.
- Folsom, Martha W., November, 1900, to date.
- Fowler, William P., from April, 1889, to date.
- * Friedman, Solomon, 1886 to December, 1890.
- Gargan, Thomas J., 1874 to 1875.
- * Gorman, William, 1877 to 1880 (died January).
- Greene, Patrick J., October, 1900, to date.
- * Griffin, Martin, 1864 to 1869.
- * Hale, George S., 1865 to 1871.

- * Hull, Liverus, 1874 to April, 1883.
- Humphreys, Richard C., May, 1890, to September, 1898.
- * Kerrigan, Michael A., April, 1898, to October, 1900 (died).
- Lamb, John, 1891 to May, 1897.
- * Lawrence, William R., 1864 to November, 1865.
- * Lincoln, F. W., May, 1867, to April, 1878.
- * Little, James L., November, 1865, to November, 1876.
- * Lothrop, Loring, 1864 to April, 1870.
- Logue, Charles, May, 1896, to January, 1898.
- Madden, Daniel A., 1883, to April, 1889.
- Mullen, Matthew J., July, 1897, to May, 1900.
- * McLean, Charles R., 1868 to 1871.
- Nazro, Frederic H., March, 1900, to date.
- * Newmarch, S., 1864 to 1865.
- Newell, Otis K., from July, 1888, to May, 1891.
- O'Brien, John, 1871 to 1874.
- O'Brien, Louise S., April, 1898, to date.
- * Parker, Augustus, November, 1878, to April, 1880.
- Parker, Charles F., June, 1895, to May, 1898.
- * Parker, F. E., 1864 to 1875.
- * Pickering, H. W., 1875 to April, 1884.
- Pierce, J. Homer, from October, 1898, to date.
- Plummer, Henry L., January, 1899, to date.
- Prescott, Washington L., 1875 to December, 1878.
- Quinn, Annie E., May, 1899, to date.
- Richards, Henry L., 1877 to August, 1878.
- * Richards, Joel, 1864 to 1866.
- * Ring, Thomas F., November, 1878, to April, 1887.
- Rogers, Annette P., 1891 to October, 1900.
- * Sawin, Samuel D., April, 1884, to July, 1890 (died).
- Scott, John A., April, 1881, to April, 1884.
- * Spooner, William B., 1864 to 1868.
- Sproules, Thomas, 1883 to date.
- * Stackpole, Stephen A., 1880 to April, 1883.
- Stuart, Frederick W., December, 1896, to date.
- Sullivan, Daniel F., 1893 to June, 1895.
- Sweetser, John, December, 1878, to April, 1879.
- Temple, Thomas F., 1870 to April, 1890.
- Thorndike, Rachel E. S., May, 1896, to April, 1899.
- Turner, John, September, 1890, to May, 1893, and January, 1895, to November, 1896.
- * Warren, John W., 1864 to April, 1866.
- Welch, William J., April, 1884, to April, 1889.
- Willcutt, Levi L., 1878 to April, 1885.

- * Winthrop, Robert C., 1864, to May, 1867.
- Wolcott, Edith P., 1893, to date.

Chairmen.

- * Winthrop, Robert C., July, 1864, to May, 1867.
- * Lincoln, F. W., June, 1867, to April, 1878.
- Temple, Thomas F., April, 1878, to December 31, 1878,
and from April, 1881, to April, 1890.
- * Amory, Thomas C., January, 1879, to April, 1881.
- Newell, Otis K., April, 1890, to May, 1891.
- Fowler, William P., May, 1891, to date.

Treasurers.

- * Warren, John W., July, 1864, to January, 1865.
- * Norcross, Otis, January, 1865, to January, 1876.
- * Higginson, George, 1876 to 1878.
- * Lincoln, F. W., April, 1878, to September, 13, 1898 (died).
- Humphreys, Richard C., November, 1898, to date.

Secretaries.

- * Pratt, John, July, 1864, to November, 1874 (died).
- Pettee, Benjamin, November, 1874, to date.

* Dead.

OCCUPANTS OF CHARITY BUILDING.

Basement Rooms.

City Physician	Nos. 3 and 4
Homœopathic Dispensary	No. 5
Federation of Jewish Charities	Nos. 11 and 13

First-story Rooms.

Overseers of the Poor	Nos. 15 to 20
State Aid Paymaster	" 21 to 24
Industrial Aid Society	" 25 to 28

Second-story Rooms.

Associated Charities	Nos. 30 and 31
Boston Ladies' Sewing Circle	" 35 and 37
Boston Provident Association	Nos. 32, 33, 38 and 40
Society of St. Vincent de Paul	No. 36
German Aid Society	" 39

Third-story Rooms.

Hall for general meetings	No. 41
Boston Children's Aid Society	" 43
Co-operative Society	" 48
Ward 6 Conference, Associated Charities	" 49
Ward 8 Conference, Associated Charities	" 50
Ward 7 Conference, Associated Charities	" 51

In addition to the above, the Boston Police Relief Association holds its annual meeting here, and the Massachusetts Infant Asylum has desk-room in No. 41.

SCHEDULE OF PROPERTY IN CHARGE OF THE BOARD.

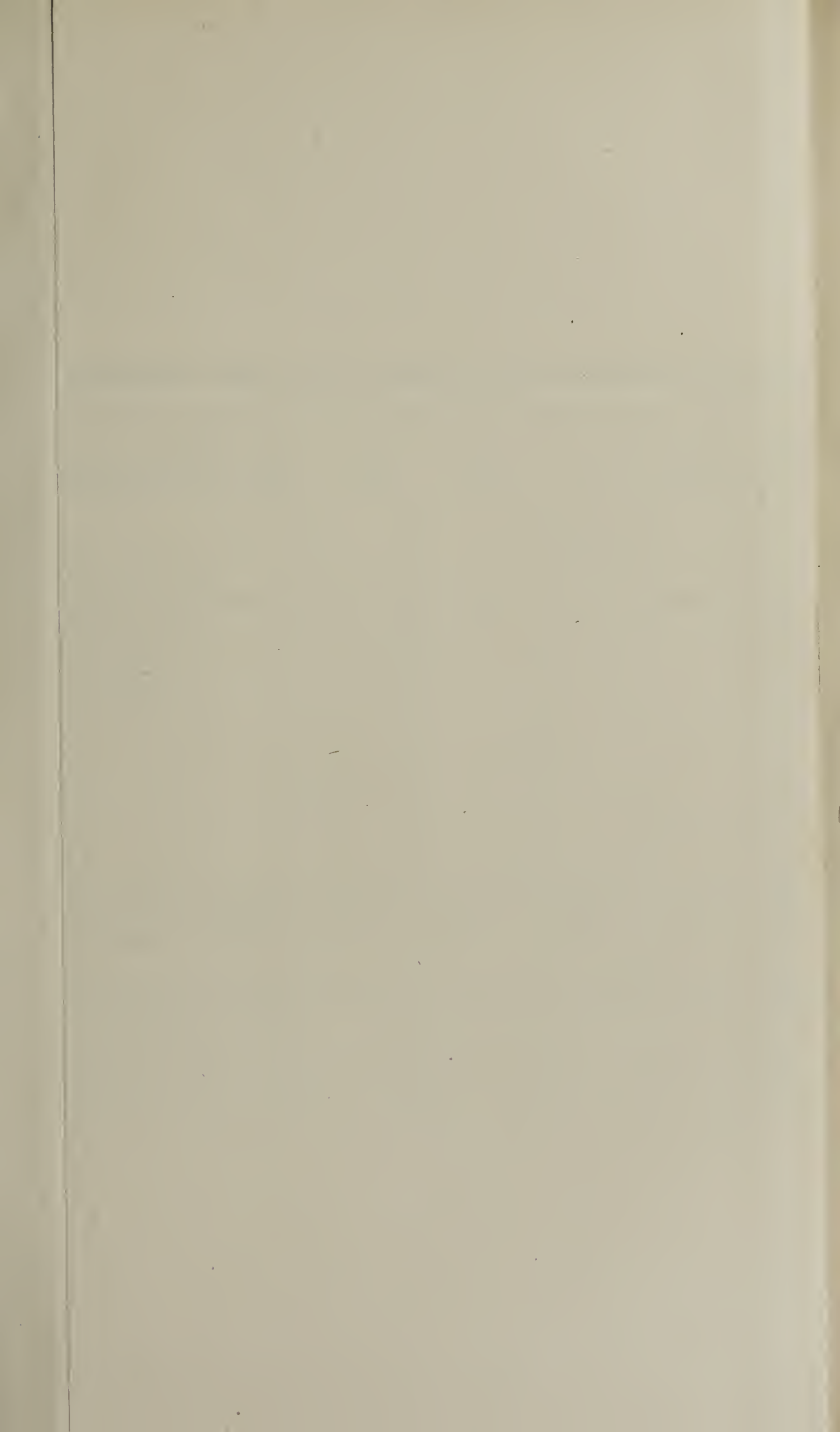
Charity Building. — The four rooms, occupied by the Board and its officers, have furniture needed for their use, desks, cases, chairs, etc.

City Temporary Home is supplied with furniture necessary to provide temporary accommodations for homeless women and children.

The Lodge for Wayfarers, for men, has furniture suitable for its use. At the Lodge, and at the wharf hired for the storage of wood, there are at the present time about two hundred and sixty cords of wood; also one wagon.

In a storehouse in the yard of Charity Building are the following groceries for delivery to the poor; also store fixtures:

18 $\frac{1}{8}$	bbls. sugar.	146	$\frac{1}{2}$ -lb. boxes cocoa.
11	chests tea.	90	bushels potatoes.
22	boxes soap.	3	bushels peas.
1 $\frac{1}{4}$	bbls. Indian meal.	67	lbs. cotton twine.
2 $\frac{1}{2}$	bbls. rice.	50	lbs. jute twine.
2	bbls. salt pork.	1,125	tags.
73	bbls. flour.	8	dry measures.
34	packages paper bags.	8	tunnels.
219	baskets.	5	chairs.
490	lbs. paper.	1	truck.
6	scales.	2	hatchets.
4	scoops.	1	meat-saw.
2	desks.	4	butcher-knives.
34 $\frac{1}{2}$	bushels beans.	1	meat-hook.
10 $\frac{1}{4}$	bbls. oatmeal.	2	shovels.
1,020	lbs. salt fish.	1	pail.
257	cans condensed milk.		



Statement of Trust Funds in the hands of the Overseers of the Poor, Richard C. Humphreys, Treasurer, January 31, 1901.

INVESTMENTS.	Pemberton or General Fund.	Boylston Education Fund.	Boylston Relief Fund.	Mason Fund.	Dexter Fund.	Jeffries Fund.	Lucy Bullman Charity.	David Sears Charity.	Pierce Fuel Fund.	Holton Protestant Pauper Fund.	Holton Protestant Poor Fund.	Stoughton Poor Fund.	Goodnow Fund.	Rachel T. Stevens Fund.	Moses Hunt Fund for the Destitute.	Nathaniel Frederic Thayer Fund.	Total.
United States two per cent. Treasury Bonds.....				6 \$7,300 00													\$7,300 00
Mass. Water Loan three and one-half per cent. Gold Bonds, ..																\$5,000 00	5,000 00
City of Boston Currency Notes.....	33 \$111,500 00	45 \$145,500 00	21 \$27,250 00	2 1,100 00	9 \$5,350 00	11 \$7,000 00	30 \$23,750 00	41 \$258,000 00	1 \$1,500 00	6 \$4,250 00	1 \$1,500 00	6 \$3,050 00	8 \$7,750 00	8 \$3,000 00	3 \$11,000 00	1 18,000 00	629,500 00
City of Sioux Falls five per cent. Bonds.....																500 00	500 00
Fifty Associates' Corporation Stock.....								19 22,800 00									22,800 00
Real Estate.....								*43,566 32						2,200 00			45,766 32
Columbian National Bank Stock.....		180 00															180 00
New England “ “ “ ..	50 5,000 00																5,000 00
State “ “ “ ..	60 6,000 00																6,000 00
Tremont “ “ “ ..	.. 1,150 00	300 00															1,450 00
Union “ “ “ ..	32 3,200 00		28 2,800 00														6,000 00
Washington “ “ “ ..	60 6,000 00																6,000 00
Investments.....	\$132,850 00	\$145,980 00	\$30,050 00	\$8,400 00	\$5,350 00	\$7,000 00	\$23,750 00	\$324,366 32	\$1,500 00	\$4,250 00	\$1,500 00	\$3,050 00	\$7,750 00	\$5,200 00	\$11,000 00	\$23,500 00	\$735,496 32
Cash.....	2,551 32	3,811 04	644 91	1,211 70	291 28	317 84	1,453 43	4,287 00	45 91	435 37	75	174 45	245 36	91 72	80 26		15,488 84
Cash Overdrawn.....																153 50	
Total.....	\$135,401 32	\$149,791 04	\$30,694 91	\$9,611 70	\$5,641 28	\$7,317 84	\$25,203 43	\$328,653 32	\$1,545 91	\$4,685 37	\$1,500 75	\$3,224 45	\$7,995 36	\$5,291 72	\$11,080 26	\$23,346 50	\$750,985 16
Total, January 31, 1900.....																	725,226 72
Increase.....																	\$25,758 44

* Assessors Valuation for 1900, \$109,400.

BOSTON, January 31, 1901.
RICHARD C. HUMPHREYS, Treasurer.

TRUST FUND.—Cash Accounts, February 1, 1900, to January 31, 1901.

	PEMBERTON FUND.		BOYLSTON EDUCATION FUND.		BOYLSTON RELIEF FUND.		MASON FUND.		DEXTER FUND.		JEFFRIES FUND.		LUCY BULLMAN CHARITY.		THE DAVID SEARS CHARITY.		PIERCE FUEL FUND.		HOLTON PROTESTANT PAUPER FUND.		HOLTON PROTESTANT POOR FUND.		STOUGHTON POOR FUND.		GOODNOW FUND.		RAQUEL T. STEVENS FUND.		MOSES HUNT FUND FOR THE DESTITUTE.		NATHANIEL FREDERIC THAYER FUND.		TOTAL.		
	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	
Cash, January 31, 1900.....	\$2,595 28		\$3,393 73		\$527 17		\$102 50		\$134 74		\$25 96		\$447 14		\$1,469 65		\$45 91		\$259 92		\$0 75		\$33 88		\$132 87		\$53 44			\$32 54			\$9,190 40		
RECEIPTS.																																			
Bank Dividends, including Tax Refunded by the State.....	1,445 22		3 95		221 78																												1,670 95		
Interest on City Notes.....	4,477 50		6,810 00		1,087 50		43 50		209 75		288 75		952 50		10,570 00		90 00		187 50		75 00		138 00		307 50		120 00		\$437 50				25,795 00		
On Account of Stock in Liquidating Banks.....	230 00		360 00																														590 00		
Interest on United States Bonds.....							328 50																										328 50		
Interest on Bonds.....																															\$200 00		200 00		
Interest on Deposits.....	33 32		71 33		8 46		5 20		4 12		3 13		23 34		82 02		1 37		7 85		1 14		2 57		4 99		78		30		38 95		288 87		
Rents.....													1,660 00		1,625 04											187 50							3,472 54		
Dividends on Fifty Associates' Stock.....															2,280 00																		2,280 00		
City of Boston Notes Paid.....	10,500 00		3,500 00		1,500 00								1,000 00		4,500 00				2,000 00		1,500 00												24,500 00		
From Executor and Sale of Real Estate.....																														17,607 55		17,607 55			
Premium on Exchange of 4 per cent. U. S. Bonds for 2 per cent. Bonds.....							734 00																										734 00		
PAYMENTS.																																			
City of Boston Notes Bought.....		\$11,000 00		\$4,000 00		\$1,500 00							\$1,000 00		\$5,000 00				\$2,000 00		\$1,500 00										\$18,000 00		\$44,000 00		
Expense of exchanging U. S. Bonds.....							\$2 00																										2 00		
Pensions.....		5,730 00				1,200 00									10,785 00										\$200 00				325 00				18,240 00		
Board of Thirty-six Boys and Girls.....				6,327 97																													6,327 97		
Grants.....													1,600 00																				1,600 00		
Repairs.....													29 55																				29 55		
Paid for Turkeys for Brighton Poor.....																			19 90		76 14												96 04		
Paid Beneficiary.....																											\$226 72							226 72	
Paid Treasurer of Charlestown Poor Fund.....																\$91 37												43 28						91 37	
Paid Tax on Real Estate in Somerville.....																																		43 28	
Paid for Repairs on Longwood Estate.....															454 71																		454 71		
Coal.....										57 33																							57 33		
Cash, January 31, 1901.....		2,551 32		3,811 04		644 91		1,211 70		291 28		\$317 84		1,453 43		4,287 00		45 91		435 37		75		\$174 45		245 36		91 72		80 26			}	15,488 84	
Cash overdrawn.....																														153 50					
Total.....	\$19,281 32	\$19,281 32	\$14,139 01	\$14,139 01	\$3,344 91	\$3,344 91	\$1,213 70	\$1,213 70	\$348 61	\$348 61	\$317 84	\$317 84	\$4,082 98	\$4,082 98	\$20,526 71	\$20,526 71	\$137 28	\$137 28	\$2,455 27	\$2,455 27	\$1,576 89	\$1,576 89	\$174 45	\$174 45	\$445 36	\$445 36	\$361 72	\$361 72	\$437 80	\$437 80	\$18,000 00	\$18,000 00	\$86,657 81	\$86,657 81	

E. E.

Boston, January 31, 1901.

RICHARD C. HUMPHREYS, Treasurer.

APPENDIX.

Official action of the Board of Overseers of the Poor at a special meeting, held October 12, 1900, with regard to the death of Mr. Michael A. Kerrigan.

The members present spoke of Mr. Kerrigan's sterling character, and the faithful and efficient service he had performed as a member of the Board, and it was

Voted, That a committee of three be appointed, of which the Chairman shall be one, to draw up resolutions with regard to the death of Mr. Kerrigan, to be presented to the Board at its next meeting.

Mr. Sproules and Dr. Stuart were appointed on the committee.

Voted, That the Board attend the funeral in a body.

Voted, That the Chairman have full power to arrange for the closing of the office.

At a meeting of the Board held November 7, the special committee presented the following resolutions:

Resolved, That by the death of Mr. Michael A. Kerrigan, the Board of Overseers of the Poor has lost one of its most valued members, a man who has earnestly labored in behalf of the poor for many years, whose work on our Board has been characterized by punctuality in attendance, willingness in service, and faithful performance of all duties assigned to him.

Resolved, That while we deplore the loss of his services to the Board and to the poor in whose welfare he was so deeply interested, we also keenly regret the death of one whose kind nature and friendly disposition made him a personal friend of all with whom he was brought in contact, whether he labored with them or for them.

Resolved, That we gladly pay this tribute of respect to the sterling qualities of mind and heart which went to make up Mr. Kerrigan's character, and we tender our deepest sympathy to his widow in her great sorrow.

Resolved, That these resolutions be spread upon the records of the Board, and a copy be sent by the Secretary to the widow of the deceased.

On motion of Mrs. Wolcott the resolutions were adopted by a rising vote.



ANNUAL REPORT
OF THE
PARK DEPARTMENT
FOR THE YEAR 1900.

COMMISSIONERS' REPORT.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR, — The Board has the honor herewith to submit this report for the financial year 1900-1901.

In our report for 1898 we estimated the amount necessary to complete the parks in all essential details at \$1,500,000. Of this sum we received \$1,000,000 by special legislative enactments (Chapter 313 of the Acts of 1898, and Chapter 303 of the Acts of 1899), leaving \$500,000 still needed, if the plans then formulated, after careful consideration of the needs of the parks to fit them for use by the present generation, were to be carried out.

Last year we again revised these plans, leaving out some expensive work at Charlesgate, which would cost about \$80,000, and which might well await a more convenient season, and omitting any considerable sum for the construction of the West Roxbury Parkway, for the same reason,

thereby reducing the estimates for completing the parks to \$250,000. Since then the City Council has appropriated \$100,000 for this purpose, leaving \$150,000, which we think necessary, to enable us to give our citizens the benefit of a completed park system, and to place the Department upon a maintenance basis. We recommend that an appropriation of this amount be made at an early day, in order that we may close our construction work the present year.

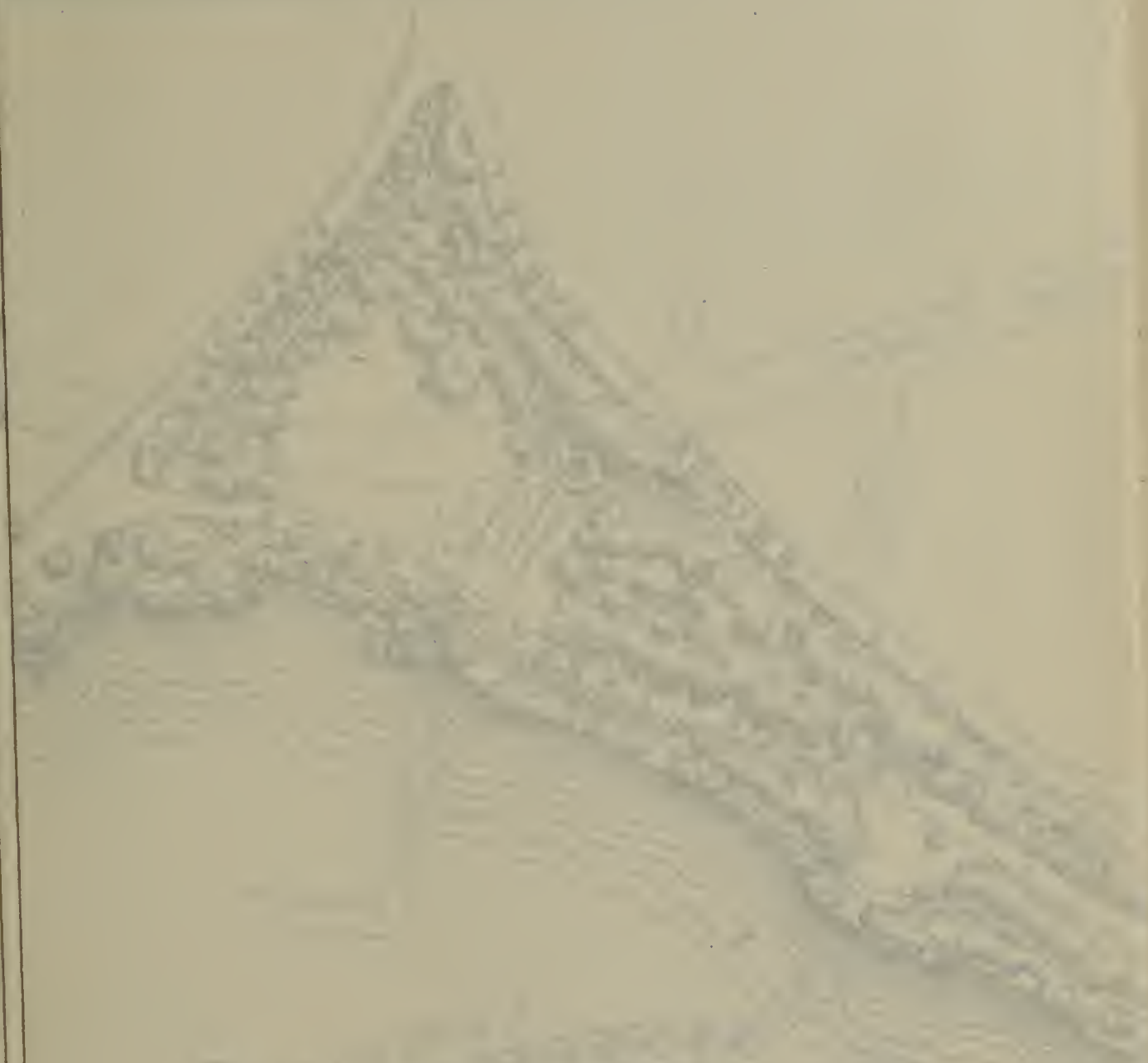
In our report of last year we called attention to the necessity of acquiring more land for playgrounds and stated our opinion, that wise municipal economy would authorize the expenditure of \$1,000,000 during the next two, three, or four years in securing additional playgrounds, in areas of from one to six acres, both in the crowded and the outlying districts of the City. We again call attention to this need, and recommend that an appropriation be made for additional playgrounds, and that a proper sum be placed at our disposal for partial completion of those we now have, to make them more available for use. The amount appropriated under the playground act (Chapter 412 of the Acts of 1898) has so far been expended, that, until settlements have been made for lands already taken, we do not deem it wise to incur increased liabilities. The only land taken under this act during the past year has been a small addition to the Prince-street Playground, 3,328 square feet.

Having been informed by the authorities of Harvard College that the land taken from the college for the Forest Hills Playground was of great value to them in the matter of their agricultural experiments, and being unwilling to do an injury to the college, and believing that we could get land in the neighborhood equally as good as that taken, we have applied to the Legislature, with your concurrence, for an act to authorize the abandonment to the college of such part or the whole of this land as may, after conference with the college, be found to be for the public interests.

On December 24 the Board took the following action :

Whereas, The Board of Park Commissioners of the City of Boston desiring to record its appreciation of the genius of Mr. Frederick Law Olmsted, and to perpetuate in a conspicuous and fitting manner, in connection with the comprehensive and beautiful park system which he has created for this City, the name of a great artist and public benefactor, passes the following votes :

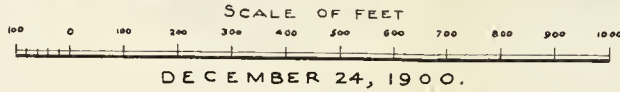
Voted, That the name of Leverett Park, heretofore given to that part of the parks which lies between Washington street at the boundary between the City of Boston and the



1840

11 MARCH

CITY OF BOSTON PARK DEPARTMENT
OLMSTED PARK



Town of Brookline and Perkins street, and the name of Jamaica Park, heretofore given to that part of the parks which is adjacent to Jamaica Pond, be discontinued;

Voted, That those parts of the parks heretofore known as Leverett Park and Jamaica Park be called Olmsted Park, in honor of Frederick Law Olmsted.

Full details of the work of the Department during the year will be found in the accompanying reports of its Superintendent and Engineer.

Respectfully submitted,

CHARLES E. STRATTON,

LABAN PRATT,

JAMES M. PRENDERGAST,

Commissioners.

BOSTON, January 31, 1901.

SUPERINTENDENT'S REPORT.

TO CHARLES E. STRATTON, LABAN PRATT AND JAMES
M. PRENDERGAST, *Commissioners* :

GENTLEMEN, — I herewith submit a report of the work performed, under the direction of your Board, in this Department during the year 1900.

FRANKLIN PARK.

Notable among the areas planted in Franklin Park last year were the plantations of red cedars (*Juniperis Virginiana*) on Schoolmaster Hill and on the hillocks lying to the northwest; the plantations of deciduous trees and shrubbery in the bordering belts along Morton street, from Forest Hills street to a point north of Canterbury street, and in portions of the bordering belts of Canterbury street, Forest Hills street and Seaver street.

The greater part of the material used in this work was obtained by the thinning out of plantations made within the past four years. Such plantations, when properly handled, furnish better plants for transplantation than can be found in the market. Planted thickly at first, they give the immediate effect of density of foliage, and the individual plants afford shelter to each other.

The work of loaming the thin and sterile woodlands in the park, unfortunately, could not be continued last year. This work is of the greatest importance, and should be prosecuted, with the least possible loss of time, until a depth of loam sufficient to insure vigorous tree growth is furnished.

The small amount of rainfall, too, during the summer, made the care of newly planted trees much more difficult. But by mulching on the driest locations, and stirring up the soil immediately around each tree, the trouble was tided over without any loss of consequence, and the plantations generally are in very good condition.

The increasing popularity of the game of golf in Franklin Park necessitated the making of a new lot of tees and greens,

for alternate use and rest with the old ones. Until the commencement of the season of 1900, the links had been under the care and control of a professional golfer, who maintained the course for the revenue derived from the sale of golf material, from teaching the game, and from a charge of fifteen cents per round of the links. Commencing with last season's play, the Department assumed the management of the game and the care of the links, opening the course to the public free of charge. The use of the links greatly increased, and forty thousand players went over the course during the season of seven and a half months; the attendance for one day, September 22, being 884. For the public safety the links are closed on holidays. No serious accident, up to the present time, has occurred.

The game of tennis awakened considerable interest last year. An average of forty-two courts were provided in Franklin Park, and, to meet a further demand, twelve courts were made in Franklin Field, which were equipped with permanent posts and wire-netting backstops.

ARNOLD ARBORETUM.

For the drainage of the low-lying grounds in the Arboretum, a conduit was built along the line of the brook, between the Arborway culvert and Woodman street. This conduit will connect with the one in course of construction by the Street Department, which is expected to be finished in the early spring, when complete relief from stagnant water and water-logged soil will result. A barbed wire fence of nine strands was erected during the past winter, replacing the old picket fence, on the dividing line between the Adams Nervine Asylum and the Arboretum.

OLMSTED PARK.

Grading around the shores of Ward's pond was completed the past season, and most of the planting was done. Near the water line various kinds of semi-aquatic plants were colonized, while in the water along shore were planted many species of water lilies, including the Cape Cod pink lily. A number of Marliac's beautiful hybrids and groups of the so-called Egyptian lotus (*Nelumbium speciosum*) were also established. The plants grew and bloomed well, and proved a most attractive and interesting addition to the picturesque charm of the surroundings, enticing many visitors.

On the slope at the Perkins-street side were planted the rhododendrons removed from Franklin Park, the intention

being to continue the rhododendron plantation along the lower part of the slope to the spring. The upper part of the slope reaching to the retaining-wall is planted with *Mahonia aquifolium* and *Leucothoe catesbeii*, while mountain laurel will be planted on the east slope.

Loam spaces were made on a part of the north and east shores of Jamaica Pond, between the walk and the water line, and were planted with trees and shrubbery to afford retirement and shade to the path, with the intent also of bringing the foliage line nearer to the water and mollifying the hard effect of the wide expanse of bare beach and walk. At Pine Bank, on the ground prepared the previous season along the Perkins-street border, hemlocks and pines were planted.

RIVERWAY.

Along the Riverway the rearrangement of the plantations was continued, and a considerable amount of planting was done, in which may be noted several groups of native azaleas. The work of the past three years on the slopes of this waterway, together with the conditions of soil and shelter, is resulting in good effects. Along its course are some of the most charming nooks and pleasing views to be found in our parks.

THE FENS.

The work at the Fens during the past season has been confined to the further removal of trees and shrubs that have been damaged by overcrowding, and replacing with new material. The conditions in a large part of the Fens are unsuitable for luxuriant growth; the situation is very exposed and wind-swept; the subsoil is a filling of porous gravel, or salt marsh mud, covered with a varying depth of loam, in very few places of sufficient depth for producing good tree growth, and in many places not sufficient for shrubbery growth. On account of the lack of funds the work of adding loam, as planned by your Board, could not be carried out. An appropriation sufficient for this purpose is a necessity of prime importance, as, with present conditions, it is impossible in many places in the Fens to produce other than a stunted growth of trees.

The condition of the water in the Fens has not been much improved, as large quantities of sewage and drainage matter still empty into the channel. In the effort to neutralize this, additional automatic gates were constructed at Brookline avenue for the admission of water at each tide from the



OLMSTED PARK, ENTRANCE TO JAMAICA POND FROM PERKINS AND CHESTNUT STREETS.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

Charles river. We have now reached the limit of our capacity for relief by this method. Measures are being taken, however, by the Sewer Department of the City to provide another outlet for the sewage and drainage by intercepting the Commissioners' channel and carrying its flow directly into the Stony brook and Charlesgate conduit. This will materially better the conditions in the Fens, which have proved so annoying. The removal of the deposit of drainage filth in the Fens' channel would still further improve the water.

CHARLESBANK.

This breathing place for the people of the West End increases in favor and popularity. The dryness of the past season, with the constant use of the lawns by the residents nearby, who swarmed over them from the heated streets and tenements, proved very trying to the turf, and gave an appearance of desolation to the lawns during the summer. A few rains in the fall, however, freshened up their appearance; and in those places where the grass was entirely killed it can easily be renewed. The most serious damage resulting from opening the mounds to the public was that done to the young trees and shrubbery. To remedy this and to further open up the mounds and give more freedom of use, the shrubbery has been removed from them. The shrubberies are now confined to the belt bordering Charles street, where they afford shelter and seclusion from street life. These plantations are difficult to maintain, and it may be necessary to erect fences to protect them from the indiscriminate trampling to which they are subject. These, however, are slight drawbacks, and are not to be considered as arguments for the exclusion of women and children from the mounds.

During last fall the shrubbery surrounding the women's and children's gymnasium was rearranged, and, in addition, a quantity of trees and shrubbery from other parks was planted. Shade being an essential requirement of Charlesbank, young trees of a hardy nature have been planted throughout the grounds wherever suitable locations could be found.

The men's gymnasium at Charlesbank attracts increased interest and patronage. The classes are well attended, and the work is well done. The athletic work of the gymnasium is still under the charge and direction of Mr. John W. Bowler, the superintendent.

The gymnasium was open 184 days during the season, the total attendance being 162,885; an average daily attendance

of 885. The afternoon classes had an average attendance of 48 at each session, while the average attendance at the evening classes was 110. Number of bathers, 14,849.

A steam heating plant was installed, last fall, in the women's and children's gymnasium building, displacing the cumbersome and expensive stove-heating method.

WOOD ISLAND PARK.

The new plantations at Wood Island Park continue to improve in growth and vigor, and bid fair, at no distant day, to give shade and shelter to this bleak spot, when the name it bears will be both appropriate and significant. The last of the ground intended for woodland has now been planted. Three or four hundred young oaks, however, will be scattered through the plantations next spring, to increase the number of species, from which the fittest will be selected, at thinning time, for the permanent trees.

The gymnasium work still continues, but not with an enthusiasm and interest commensurate with the expense it entails. Very light class attendance is registered, and the work is mainly of a desultory character, which does not indicate an appreciation of the advantages offered by the Department, for physical culture. It is hard to account for this, unless it may be that the grounds are three-fourths of a mile from the settled districts, and without railroad facilities for that distance. The classes and other work of the gymnasium have been under the superintendence of Mr. James R. Walsh and Miss Maud Wessel, both instructors of recognized reputation and ability. The gymnasium was open from April 21 to November 30 — 192 days. A total attendance of 48,065 was registered, the average class attendance being 34 daily. Number of bathers, 8,928.

The recreation ground continues to gain in popularity and use. Baseball, tennis, cricket, and football grounds are provided; no charges are made, and grounds can be secured two weeks in advance. The general attendance at the Park increases with each season.

CHARLESTOWN HEIGHTS.

The St. Martin street boundary, prepared the season previous, was planted with a belt of trees for a screen. The sand courts were drained, and their copings and brick pathways relaid.

MARINE PARK.

This popular park maintained its reputation the past hot summer, and a large increase of bathers was noticeable. The lawns, now open to the public, suffered greatly from hard usage; the shrubbery, too, was much broken, yet no permanent damage was done. As at Charlesbank, the shrubbery has been removed from the lawns, and will be grown only where it can be protected. The grounds are too small for the numbers that use them, and therefore artistic landscape effects are impossible. The best results would seem to be obtainable by studying the comfort of the people, and giving it consideration rather than landscape effects.

The new plantations around the ponds are growing well, considering that they could not be given proper cultivation last summer, from lack of funds. A connection by a fifteen-inch pipe has been made between the waters of the bay and the chain of ponds, to maintain the water in the ponds at a uniform grade and to keep them sweet by introducing a fresh supply of water. The temporary boat landing in Pleasure Bay has been removed, and the service transferred to the new boat landing east of the Head-house. A bubble drinking fountain was erected last summer in front of the new boat landing.

Castle Island, with its health-giving sea breezes and its charming views of harbor life, was, as usual, a favorite haunt of the City dwellers.

The completion of the Strandway being in the hands of the Street Department no work was done there by this Department other than that of maintenance.

DORCHESTER PARK.

No work was done in this beautiful picnic ground, other than that of ordinary maintenance, and the employment of a gang of tree pruners to cut out dead and interfering wood.

COPP'S HILL TERRACES.

Required only the ordinary work of maintenance.

WEST ROXBURY PARKWAY.

No work of construction has been done on this parkway, during the past season, for lack of an appropriation for that purpose. The new woodland bridle path through this district has afforded an opportunity for rough country riding, and has been well used.

NURSERIES.

The Department nurseries, containing in all about seven acres, are located in three widely separated districts: three and two-tenths acres being at Franklin Field, two acres at West Roxbury Parkway, and one and eight-tenths acres at Chestnut Hill Reservoir. For convenience and economy it has been decided to concentrate them on the upland at Franklin Field. In furtherance of this design an additional area of four and one-half acres, in Franklin Field, has been cleared of rocks and boulders, and broken up with the sub-soil plow. This ground will be reduced to a fairly mellow condition by planting time in the approaching spring. The stone gathered from the surface of the Field has been utilized to lay the foundations of boundary walls along the lines of Stratton street and Blue Hill avenue. The nursery stock is in good condition. A list giving kinds and quality will be found elsewhere in this report.

PLAYGROUNDS.

FRANKLIN FIELD.

(77 acres.)

This fine playground is gradually getting into a worse condition with each year. The loose peaty material composing a large part of its surface is not fitted for producing a tough, grassy growth, while settlements of the ground are numerous, caused probably by a shrinkage of the soil from drainage. This makes play difficult and even dangerous, thereby nullifying, in a measure, the splendid possibilities of the playground. A covering of from four to six inches of loam over the peaty areas would remedy the trouble. This work of loaming could extend over two seasons, and thus not interfere greatly with the use of the Field for games.

The Street Department is about to begin the work of building a conduit to take the drainage waters of the district. This will greatly improve the Field, both in appearance and convenience, as well as add to its area the ground now occupied by the drainage ditch that traverses two sides of the playground.

Increased use is made of the playground each season; football, baseball, and tennis are the games most popular, while two cricket clubs have obtained permission to play on the Field during the coming season. It is a common occurrence, on Saturday afternoons, to find in progress at one time from fourteen to twenty match games between organized baseball



OLMSTED PARK, WESTERLY SHORE OF JAMAICA POND.

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teams. Permits are issued on application, in advance, to regularly organized clubs, for the various games. On a failure of the applicant to appear at the appointed hour the grounds are given to the next applicant in waiting.

CHRISTOPHER GIBSON PLAYGROUND.

(6 acres.)

Dorchester avenue and Park street. The grading of the low ground and the loaming of the surface of the triangular parcel have been completed, and loam beds have been prepared on the boundaries of both pieces of ground in readiness for planting shade trees in the spring. The plans proposed for the completion of this playground require mainly an open-air gymnasium, fences, and planting.

SAVIN HILL BEACH.

(18.6 acres.)

Spring street, Dorchester. This beach is located on Dorchester Bay. A coating of sand on its gently sloping and now gravelly beach would give good high-tide bathing facilities. During the past fall a dike was constructed across the low ground to the railroad, and a tide-gate set in the embankment. This has doubled the length of the beach, while the low ground lying behind the new dike, will, when filled, make a playground, the material for which can be pumped from the bay along the beach front. This will also deepen the water sufficiently to allow of bathing at low tide. For many years previous to the acquirement, by your Board, of this property, the beach had been used for boating and bathing, these privileges being leased from the owner. The Department continued this system last year, but has now ordered all shanties (about seventy in number) removed. Plans are being considered for the development of the grounds when an appropriation shall have been made for the purpose.

NEPONSET PLAYGROUND.

(18 acres.)

Neponset avenue. The work of construction at this playground was confined to the loaming of the skating area, in preparation for sowing grass seed in the spring. The surface of the remainder of the playground does not seem to require further filling. The tide-gate has served fully the

purpose of draining out the marsh; a little tile drainage, however, may be necessary; a light covering of loam will be required also to level the surface, as it is gridironed with drainage ditches that are nearly closed up, and it would be useless to attempt to plow and spread the tough, salt-marsh sod.

MYSTIC PLAYGROUND.

(2 1-4 acres.)

Chelsea street and Mystic river. No work of construction was done at this playground last year. As the grounds are too small for baseball, excepting for the younger boys, they are not much used. Greater benefit would result from this playground by the prohibition of the game of baseball and the substitution of simple apparatus for gymnastic work, and of sand boxes and teeter boards for children, with facilities for other suitable games and amusements. If the playground were so equipped the service of a competent person would be required to keep order and to give direction to the play; it is possible that such a one might be found among the female graduates of our Boston athletic schools.

Shelter and sanitary accommodations are needed, also a drinking fountain.

CHARLESTOWN PLAYGROUND.

(14 acres.)

Corner of Main and Alford streets. The old mill buildings have been cleared away, as have also the brick and wooden buildings on the Main street front. The greater part of this playground has been made by the dumping of City refuse between Main street and the bulkhead line of Mystic river; this work of filling will soon be completed. A loam space, ten feet wide and three feet deep, was prepared last fall, on the Alford and Main street sides, for the planting of shade trees in the spring, and an iron picket fence was erected on the Alford street front. The grading of the grounds was completed, as far as means would allow, and a skating rink of about four acres was made, including necessary drainage and water supply. Shelter and sanitary buildings are needed, also a fence for the Main street front. The completion of the bridge, now near at hand, will permit of the extension of the Alford street fence to the river, which has been delayed to accommodate the work on the bridge. An open-air gymnasium would undoubtedly be well patronized by the young men of the neighborhood.

ROGERS PARK.

(7 acres.)

Foster and Lake streets, Brighton. This playground has been fenced during the past season, and some ploughing and grading done. Filling on the Lake street half of the ground is necessary, as also are sanitary accommodations.

NORTH BRIGHTON PLAYGROUND.

(11 acres.)

Western avenue and North Harvard street. During the past season this playground was tile-drained, and the old drainage ditches and larger depressions and holes were filled up. The shutting out of the tides from the Charles river, and the drainage system just installed, have converted what was formerly a salt-water meadow into a dry and firm piece of ground. No filling will be needed, as a light covering of loam will serve to level all existing inequalities, thereby saving the expenditure of time and money that would be incurred in trying to reduce the tough, marsh-grass sod to a suitable condition. The ball grounds were much used last season both for football and baseball. Sanitary and shelter buildings, and fencing are among the requirements.

BILLINGS FIELD.

(11 acres.)

Lagrange street, near Centre street, West Roxbury. On account of the lack of money, the work of constructing this playground could not be continued last season. The imperfect drainage of the district below the Field will not permit of a satisfactory drainage of the playground. Until the Street Department has corrected this difficulty, by providing an outlet for the drainage, it will be necessary to grade the playground to a point high enough to be beyond overflow during stormy or wet periods. The playground has been tile-drained, and the small brook which crossed it has been piped, and is ready to be connected with the city drainage system when it is completed. Shelter and sanitary buildings are needed; fencing, too, is necessary. The grounds were in good demand for games during the past season.

ROSLINDALE PLAYGROUND.

(3 7-10 acres.)

South Walter and Robert streets. Grading at this playground was nearly completed last fall, the grounds being so

graded as to permit of flooding for skating in winter. The brook crossing the grounds was carried below the surface by piping. Retaining-wall foundations were laid on the Robert street side, while loam spaces for boundary trees were prepared on both the Robert and South Walter street sides. A little additional grading will make this playground available for use.

COLUMBUS AVENUE PLAYGROUND.

(4 9-10 acres.)

Columbus avenue and Camden street. The filling and grading of these grounds were nearly completed last fall, and a basin was formed for a skating rink by raising the grade near the railroad. This playground is located in a populous district, and will be well used. It would be advisable to fence off a portion of the Camden street end, and equip it with suitable appliances for the use of children, under the charge of a competent female instructor. Fencing, sanitary accommodations, and a drinking fountain are needed.

PRINCE STREET PLAYGROUND.

(4-10 acre.)

Prince and North Bennet streets. This breathing spot, formerly called North End Playground, was carved from a mass of old tenement buildings in the most densely populated part of the City, six schools lying within a radius of three hundred and fifteen feet from its centre. No embellishments have been attempted, the ground having simply been graded and gravelled, to serve as a swarming place for the children of the neighborhood. An addition by purchase of 3,328 square feet was made to this playground last season.

FIRST-STREET PLAYGROUND.

(5 acres.)

First and M streets, South Boston. No further work of construction has been done here. The ball ground and running track were well used during the summer months. A sanitary building is one of the requirements of the place, also a drinking fountain. An open-air gymnasium, too, would be much appreciated. The apparatus need not be of such a character as to call for the services of other than a careful custodian.



OLMSTED PARK.

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A boundary fence is much needed for the protection of the street trees. Confining ingress and egress to the grounds to certain limits would prevent indiscriminate tramping over the tree borders and damage to the trees.

FELLOWS-STREET PLAYGROUND.

(*3-4 acre.*)

Fellows and Hunneman streets, Roxbury. No work of construction or improvement has been done during the past season at this playground, except the planting of boundary trees.

This little playground, by its location and size, is well adapted for small children. To bring out a larger measure of usefulness, it would be well to place it under the charge of a female graduate of an athletic training school, or a kindergartner, who could conduct exercises and teach the children how to play. This provision would be a great inducement to the little folks, and increase the attendance and use of the grounds.

The playground is entirely bare of shade or shelter, and in appearance is inhospitable and uninviting. In time this will be corrected, when the newly-planted trees have grown sufficiently to cast a shade. In the meanwhile, much might be accomplished by providing a neat and inexpensive shelter, a few sand boxes, and teeter boards; while other playthings could be furnished were the playground placed under competent supervision.

ICE SPORTS.

The winter of 1900-1901 has been favorable for making ice fields. Conditions have been good for skating on forty-five days, and it is estimated, approximately, that 480,000 people enjoyed the sport during the skating season. A number of enclosed rinks were maintained for the exciting game of hockey. These rinks on application could be engaged in advance for matches; and many notable contests were fought during the winter.

An effort was made by a few enthusiasts to establish the grand old Scottish game of curling. An encouraging measure of success was the result; and it is hoped that in future the "roaring game" will be a conspicuous feature among the winter sports at Franklin Field.

The following table will show the extent and growth of the facilities for the enjoyment of the winter pastime of skating, provided for the public by the Park Department:

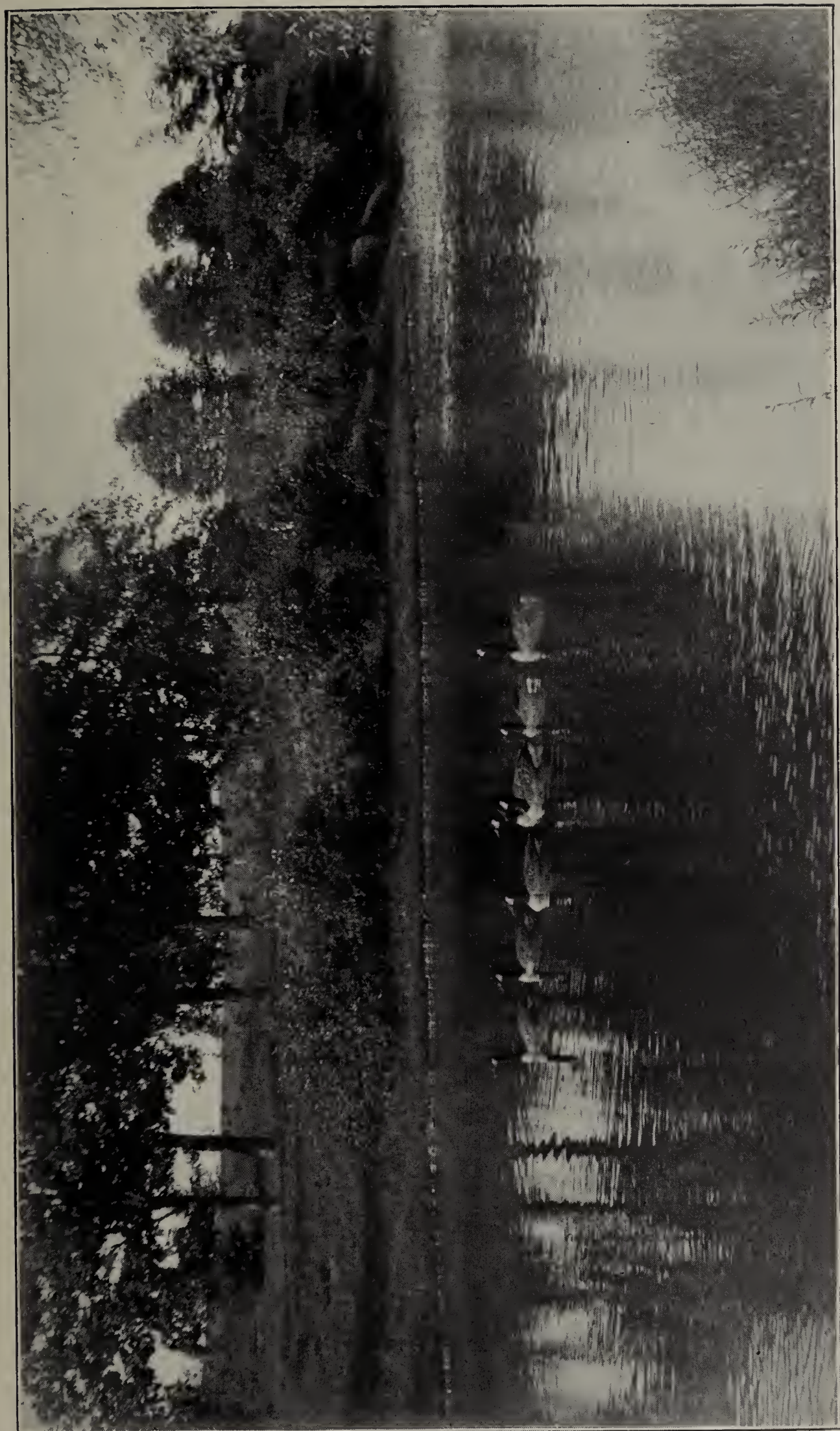
Name.	Area.	Hockey Rinks.	No. of days Skating.	Approximate Attendance.
Jamaica Pond.....	64.5 acres	.....	26	38,907
Franklin Field	35.0 "	2	43	140,065
Neponset Playgrounhd.....	3.3 "	.....	38	13,200
Billings Field Playground.....	5.0 "	1	58	32,100
Charlesbank.....	1.4 "	.....	24	39,200
Charlestown Playground.....	2.2 "	1	35	15,150
Wood Island Park	7.9 "	1	44	64,105
First Street Playground	3.1 "	.....	40	31,225
North Brighton Playground.....	3.3 "	1	29	12,025
Columbus Avenue Playground....	1.6 "	1	33	44,150
Roslindale Playground	1.6 "	.....	52	29,800
Gibson Playground.....	1.95 "	.....	37	19,200
Total.....	.....	.....	.....	479,127

Details of measurements and quantities of work done, during the past year, will be found in the report of Mr. C. E. Putnam, engineer of the Department.

Respectfully submitted,

JOHN A. PETTIGREW,

Superintendent.



WILD GEESE, FRANKLIN PARK.

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ENGINEER'S REPORT.

MR. J. A. PETTIGREW,

Superintendent :

DEAR SIR, — The following report for the year ending January 31, 1901, is respectfully submitted :

COMMONWEALTH AVENUE.

Artificial stone walks laid	1,640 square yards.
Brick walks relaid	140 square yards.
Wearing floor of Charlesgate bridge relaid	7,600 feet B.M.
Overhead electric wires removed or put underground	17.

THE FENS.

Overhead electric wires removed	52.
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The sea-wall and gate chamber at Charlesgate was completed in November, and about one half of the space between the sea-wall and Beacon street has been filled. This is all the filling that should be done until the conduits are built between the gate chamber and Beacon street.

To improve the condition of the Fens pond, the overflow at Beacon street has been lowered to grade 7, and changes have been made in the gates at the Muddy River gate-house, by which a much larger volume of sea water can be turned into the pond. A rise and fall of several feet, during each tide, can easily be maintained in the pond; but, to avoid injuring the plantations and exposing the unsightly banks, it is thought best to limit the fluctuations caused by the tides, to eighteen inches at each tide. This changes all the water in the Fens pond once in two and one-half days. That such frequent changing of the water is necessary to prevent the pond from becoming offensive, is a good indication of its present condition, and shows the importance of preventing its further pollution. The deposit of foul mud and sewage

that is the principal cause of the unsatisfactory condition of the pond, covers an area of about six acres, to a depth of from one to four feet. It was brought down by Stony brook, which receives a large amount of detritus from the streets, and the storm overflow from many sewers. All of this is turned into the Fens pond, and nearly all of the solid matter falls to the bottom before it reaches Agassiz bridge. This deposit is increasing in quantity, and will continue to increase until the dirtiest part of the flow of the brook is kept out of the pond. Owing to the increasing population and to new connections with the sewers, the pollution of the brook is increasing, and there should be no delay in building the short section of conduit necessary to divert this part of the flow from the Fens pond, and carry it directly to the Charles river.

RIVERWAY.

Curbstone reset	20 linear feet.
Electric light cable laid	200 linear feet.
Electric light installed	1.

OLMSTED PARK.

Electric light cable relaid	780 linear feet.
Loam bought and spread on plantations	13,900 cubic yards.
Retaining-wall along shore of Jamaica Pond removed	612 linear feet.
Walks regraded and surfaced	1,170 square yards.

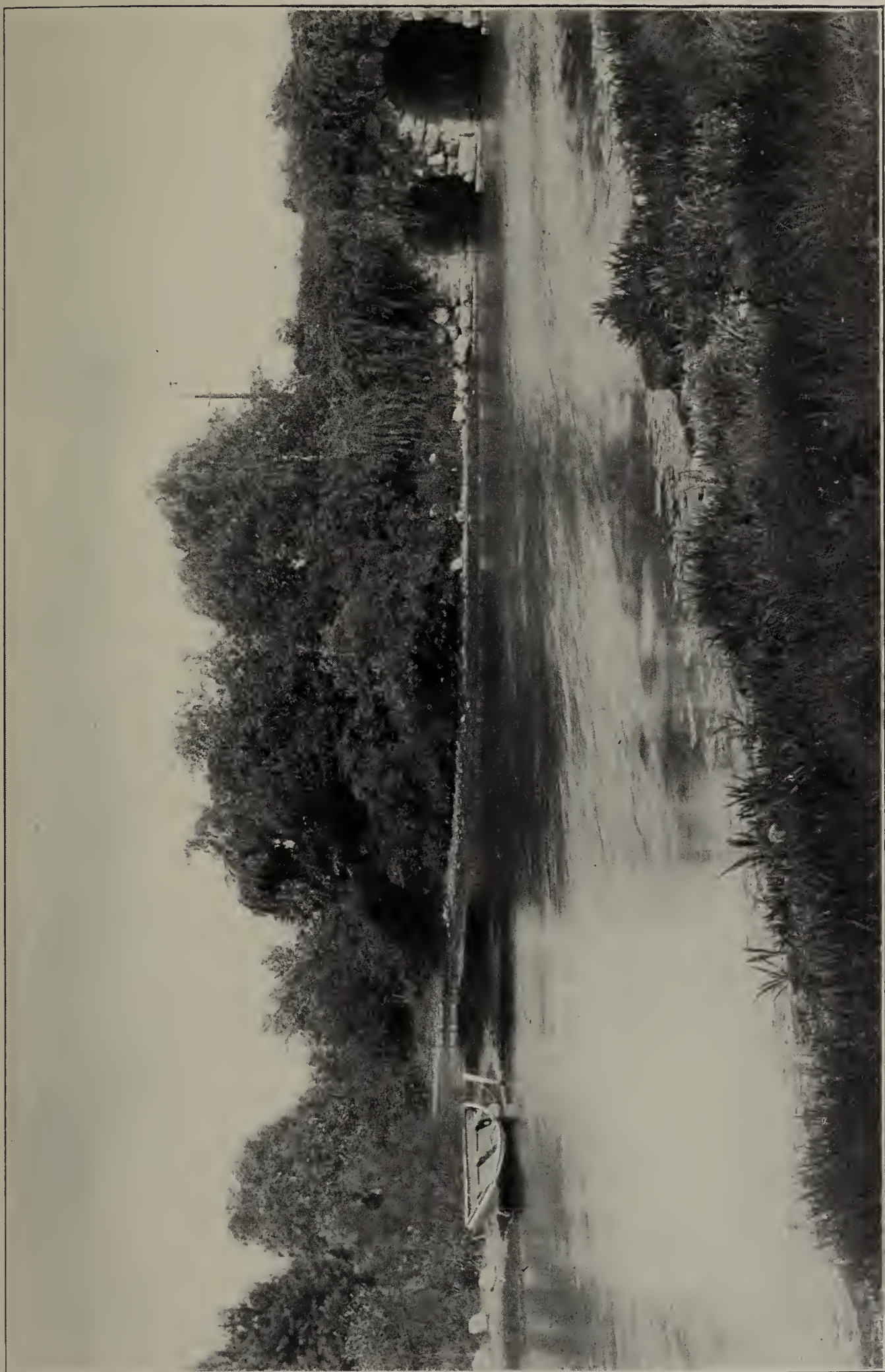
The overflow of Jamaica Pond has been still further lowered one foot, to elevation 65. The overflow was formerly at elevation 68. Lowering it three feet has not changed the low water level of the pond, but, by decreasing the fluctuations in the height of the pond, has allowed from six to twelve feet in width of the gravelly shores to be loamed and planted.

ARBORWAY.

Boulevard lamps installed	8.
Electric light cable placed underground	515 linear feet.
Loam bought and spread on plantations	30 cubic yards.
Overhead wires, crossing the Arborway, placed underground	72.

ARNOLD ARBORETUM AND BUSSEY PARK.

Boundary fence built between the Arboretum and Adams Nervine Asylum grounds	1,880 linear feet.
Loam bought and spread on plantations	616 cubic yards.



THE FENS, SOUTHWESTERLY SIDE OF AGASSIZ BRIDGE.

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To drain the Arboretum meadow, 578 linear feet of brick drain, six feet in diameter, have been built on the line of the Goldsmith Brook, between the Arborway and Woodman street.

FRANKLIN PARK.

Macadam surfacing at stable yard	. 1,115 square yards.
Gutters paved	. 183 square yards.
Drinking fountain installed	. 1.
Water pipe laid (2-inch)	. 300 linear feet.
Telephone wires put underground	. 3,210 linear feet.
Drain pipe laid (6-inch)	. 52 linear feet.
Stationary wooden seats built	. 110 linear feet.
Loam bought and spread on plantations	9,000 cubic yards.

A 12 horse-power gasoline engine, a circular saw, band saw, planer, turning lathe, and mortising machine, also emery wheels and grindstones have been installed at the repair shops.

The cost of watering, cleaning, and ordinary repairs on all the roads and walks in the Fens, Riverway, Olmsted Park, Arborway, Arnold Arboretum and Franklin Park, during the year, has been ten and nine-tenths cents per square yard of macadam surface of drives, or seven and two-tenths cents per square yard of macadam surface if the area of walks is included.

FRANKLIN FIELD.

Drain pipe laid:	
6-inch	. 775 linear feet.
4-inch tile	. 2,412 linear feet.
2-inch tile	. 2,541 linear feet.
Catch-basins built	. 2.
Foundation for boundary wall laid	. 1,800 linear feet.

Considerable work has been done in clearing the upland of boulders.

DORCHESTER PARK.

Loam bought and spread on plantations	125 cubic yards.
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COLUMBIA ROAD.

Electric lights installed	. 7.
Electric light cable put underground	. 2,200 linear feet.
Telephone wires put underground	. 1,560 linear feet.
Loam bought and spread on plantations	238 cubic yards.

The work of construction on this road is in the following condition : Completed, two miles, from Franklin Park to Button-

wood street, excepting about 400 feet at the Midland Division of the New York, New Haven and Hartford railroad. The railroad bridge at this place is under construction, and is to be completed in about two months. Graded, one and four-fifths miles, from Buttonwood street to Q street, excepting a section one-fifth of a mile in length, for which the land has not been taken.

STRANDWAY.

Iron fence built on sea-wall . . .	906 linear feet.
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MARINE PARK.

Loam bought and spread on plantations	700 cubic yards.
15-inch drain pipe laid to connect natural history pools with tide-water .	210 linear feet.
Channel 5 feet 8 inches deep at mean low water and sixty feet wide, dredged to new boat landing . . .	950 linear feet.

CASTLE ISLAND.

The old Military Hospital building has been removed.

CHARLESTOWN HEIGHTS.

Tile drain laid, 3-inch	800 linear feet.
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CHARLESTOWN PLAYGROUND.

Area graded	2.2 acres.
Water pipe laid, 3-inch	110 linear feet.
Drain pipe laid, 8-inch	387 linear feet.
Catch-basins and man-holes built . . .	2.
Boundary fence built	890 linear feet.
Tree spaces excavated and filled with loam	1,170 cubic yards.
Old buildings removed	6.

CHARLESBANK.

Stationary wooden seats built . . .	560 linear feet.
2-inch tile drain laid	870 linear feet.
Iron pipe rail fence built	100 linear feet.
Loam bought and spread on plantations	870 cubic yards.
Electric light wire placed underground	1,500 linear feet.

PLAYGROUNDS.

PRINCE STREET PLAYGROUND.

Area graded	3,328 square feet.
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COLUMBUS AVENUE PLAYGROUND.

Area graded	4.8 acres.
Drain pipe laid :	
12-inch	295 linear feet.
8-inch	320 linear feet.
Catch-basins, and man-holes built .	4
3-inch water pipe laid	15 linear feet.
Tree spaces excavated and filled with loam	1,850 cubic yards.

ROGERS PARK PLAYGROUND.

Wooden boundary fence built . . .	1,272 linear feet.
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NORTH BRIGHTON PLAYGROUND.

Drain pipe laid :	
12-inch	443 linear feet.
10-inch	197 linear feet.
8-inch	1,055 linear feet.
2-inch tile	690 linear feet.
3-inch water pipe laid	100 linear feet.
Catch-basins and man-holes built .	8.

ROSLINDALE PLAYGROUND.

Area graded	2.8 acres.
24-inch drain pipe laid	500 linear feet.
Gate and overflow chamber built .	1.
Man-hole built	1.
4 ft. by 5 ft. culvert built	15 linear feet.
Foundation for retaining wall laid .	300 linear feet.

NEPONSET PLAYGROUND.

Loam and filling bought and spread on marsh	1,950 cubic yards.
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CHRISTOPHER GIBSON PLAYGROUND.

Filling bought	5,360 cubic yards.
Loam bought and spread on grounds and tree spaces	1,336 cubic yards.
Area graded	2 acres.
8-inch drain pipe laid	60 linear feet.
Catch-basins and man-holes built .	2.

SAVIN HILL BEACH.

Filling bought and used in building a dike, to prevent playground from being flooded by the tide, 5,733 cubic yards. A three foot, square tide-gate has been placed in the dike.

Respectfully,

C. E. PUTNAM,

Assistant Engineer.

FINANCIAL STATEMENTS.

I.

*Expenditures for Land, Construction and Maintenance from
February 1, 1900, to January 31, 1901.*

PARKS.	Page.	Land.	Construc- tion.	Mainte- nance.	Totals.
Main Park System:					
Commonwealth avenue....	25	.....	\$857 92	\$14,837 66	\$15,695 58
Fens	25	.....	44,459 37	13,480 52	57,939 89
Riverway.....	26	.....	2,183 64	9,145 71	11,329 35
Olmsted Park.....	27	.....	17,676 88	18,319 56	35,996 44
Arborway	28	.....	1,480 72	4,213 76	5,694 48
Arnold Arboretum.....	29	\$27 80	17,005 41	3,840 28	20,873 49
West Roxbury Parkway..	30	17,600 00	1,397 25	775 22	19,772 47
Franklin Park.....	31	.....	39,805 20	56,318 29	96,123 49
Marine Park System:					
Columbia Road.....	32	115,700 00	14,300 00	3,657 46	133,657 46
Dorchesterway	32	.....	427 56	349 94	777 50
Strandway	33	20,198 36	3,741 75	230 86	24,170 97
Marine Park.....	34	.....	3,032 42	5,957 80	8,990 22
Wood Island Park	34	.....	1,457 08	7,515 79	8,972 87
Charlesbank.....	35	.....	2,971 80	9,113 69	12,085 49
Charlestown Heights.....	36	.....	685 33	2,084 80	2,770 13
Charlestown Playground....	36	.....	5,545 23	2,061 87	7,607 10
Dorchester Park.....	37	.....	462 94	439 70	902 64
Franklin Field.....	38	.....	2,625 26	8,025 12	10,650 38
North End Beach.....	38	.....	31 98	66 71	98 69
Copp's Hill Terraces.....	39	.....	.....	267 10	267 10
Chestnut Hill Park.....	39	75 00	72 68	3,362 06	3,509 74
Trinity Triangle.....	39	.....	.....	4 25	4 25
North Brighton Playground.	39	.....	2,704 31	494 26	3,198 57
Neponset Playground.....	40	.....	1,689 35	597 98	2,287 33
Billings Field.....	40	.....	237 57	962 02	1,199 59
First-street Playground.....	41	.....	.....	431 69	431 69
North End Playground.....	41	29,516 54	33 90	251 58	29,802 02
<i>Carried forward.....</i>	.....	\$183,117 70	\$164,885 55	\$166,805 68	\$514,808 93

EXPENDITURES FOR LAND, ETC. — *Concluded.*

PARKS.	Page.	Land.	Construc- tion.	Mainte- nance.	Totals.
<i>Brought forward</i>.....	....	\$183,117 70	\$164,885 55	\$166,805 68	\$514,808 93
Mystic Playground.....	41	.....	877 64	34 52	912 16
Fellows-street Playground.	42	.....	24 23	47 50	71 73
Christopher Gibson Play- ground.....	42	.....	6,123 20	1,673 85	7,797 05
Rogers Park.....	43	.....	1,264 79	571 11	1,835 90
Columbus-avenue Play- ground.....	43	442 00	5,922 89	738 70	7,103 59
Savin Hill Playground.....	44	301 90	3,036 14	425 40	3,763 44
Roslindale Playground.....	45	.....	5,597 31	1,214 28	6,811 59
Forest Hills Playground	45	9 00	.....	125 00	134 00
Office expenses	45	.....	.....	13,663 96	13,663 96
Totals.....	....	\$183,870 60	\$187,731 75	\$185,300 00	\$556,902 35

II.

Expenditures of the Department in detail from February 1, 1900, to January 31, 1901.

COMMONWEALTH AVENUE.

CONSTRUCTION.

Plantations.

Labor and materials . . . \$717 80

Roadways, Gutters and Drainage.

Gutters: paving . . . \$44 74

Roads and walks: labor
and materials . . . 42 48

87 22

Grading, Loam and General Work.

Engineers: labor . . . 22 25

Electric Lighting.

Cable . . . 16 65

Lawns and Woods.

Labor . . . 14 00

\$857 92

MAINTENANCE.

Roadways, Grounds, Drainage and General Work.

Roads and walks: labor and materials . . . \$11,633 53

Stable account: equipment and supplies . . . 1,638 57

Grounds: labor and materials . . . 838 88

General work: materials . . . 472 81

Drainage: labor and materials . . . 231 37

Engineers: labor . . . 22 50

14,837 66

\$15,695 58

FENS.

CONSTRUCTION.

Sea-wall, Gate-chamber and Filling.

Amount paid under
contract . . . \$40,076 23
Labor and materials . . . 375 26

\$40,451 49

Plantations.

Labor and materials . . . 2,602 44

Amounts carried forward, \$43,053 93

\$15,695 58

Amounts brought forward,

\$43,053 93

\$15,695 58

Grading, Loam and General Work.

Engineers: labor and materials	\$741 65	
General work: labor and materials	182 55	
		924 20

Roadways, Gutters and Drainage.

Gutters: paving	\$266 36	
Drainage: labor	44 31	
Roads and walks: labor	12 25	
		322 92

Electric Lighting.

Cable	128 07	
-----------------	--------	--

Lawns and Woods.

Labor	30 25	
		\$44,459 37

MAINTENANCE.

Roadways, Grounds, Drainage and General Work.

Roads and walks: labor and materials	\$7,628 45	
Grounds: labor and materials	3,420 07	
Stable account: equipment and supplies	1,070 56	
Engineers: labor	660 50	
General work: labor and materials, ...	352 85	
Drainage: labor and materials	266 33	
Buildings: labor and materials	58 40	
Live stock: labor and materials	23 36	
		13,480 52
		57,939 89

RIVERWAY.

CONSTRUCTION.

Plantations.

Labor and materials	\$1,587 41	
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Walls.

Labor and materials	207 57	
-------------------------------	--------	--

Electric Lighting.

Cable	161 40	
-----------------	--------	--

Roadways, Gutters and Drainage.

Gutters: paving	\$123 70	
Drainage: labor	12 00	
Roads and walks: labor, ...	8 50	
		144 20

Amounts carried forward,

\$2,100 58

\$73,635 47

PARK DEPARTMENT.

27

Amounts brought forward, \$2,100 58 \$73,635 47

Grading, Loam and General Work.

Grading: labor . . .	\$28 00	
Engineers: labor . . .	15 50	
General work: materials,	71	
		44 21

Fence.

Materials	38 85	
		\$2,183 64

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Roads and walks: labor and materials	\$3,972 13	
Grounds: labor and materials	2,580 89	
Buildings: labor and materials	1,513 63	
Stable account: equipment and supplies	580 99	
General work: labor and materials	326 20	
Drainage: labor and materials	110 37	
Engineers: labor	61 50	
		9,145 71
		11,329 35

OLMSTED PARK.

CONSTRUCTION.

Grading, Loam and General Work.

Loam: material	\$9,269 50
General work: labor and materials	1,329 56
Grading: labor and materials	1,030 57
Engineers: labor	27 75
	\$11,657 38

Plantations.

Labor and materials	5,087 27
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Roadways, Gutters and Drainage.

Roads and walks: labor and materials	\$557 26
Drainage: labor and materials	41 39
	598 65

Electric Lighting.

Cable	265 15
-----------------	--------

Lawns and Woods.

Labor	41 21
-----------------	-------

Boating Service.

Labor	17 22
-----------------	-------

Amounts carried forward,	\$17,666 88	\$84,964 82
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Amounts brought forward, \$17,666 88 \$84,964 82

Water Supply.

Labor	10 00	
		\$17,676 88

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Roads and walks: labor and materials	\$6,333 43	
Grounds: labor and materials	6,177 31	
Buildings: labor and materials	2,205 27	
General work: labor and materials	1,990 53	
Stable account: equipment and supplies	688 37	
Skating: labor and materials	511 67	
Drainage: labor and materials	296 16	
Engineers: labor	99 50	
Boating service: labor and materials	17 32	
		18,319 56
		35,996 44

ARBORWAY.

CONSTRUCTION.

Plantations.

Labor and materials	\$806 74
-------------------------------	----------

Roadways, Gutters and Drainage.

Roads and walks: labor and materials	\$288 45
Drainage: labor and materials	75 00
	363 45

Grading, Loan and General Work.

General work: labor and materials	\$181 13
Engineers: labor	24 50
Loam: material	20 15
Grading: labor	4 75
	230 53

Lighting.

Gas-lamps	80 00	
		\$1,480 72

MAINTENANCE.

Roadways, Grounds, Drainage and General Work.

Roads and walks: labor and materials	\$2,665 75		
Grounds: labor and materials	1,283 63		
Drainage: labor and materials	130 13		
Amounts carried forward,	\$4,079 51	\$1,480 72	\$120,961 26

<i>Amounts brought forward,</i>	\$4,079 51	\$1,480 72	\$120,961 26
General work: labor and materials,	102 25		
Engineers: labor	20 50		
Stable account: equipment and supplies	11 50		
		4,213 76	
			5,694 48

ARNOLD ARBORETUM AND BUSSEY PARK.

LAND.

Amount paid for land	\$27 80
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CONSTRUCTION.

Roadways, Gutters, and Drainage.

Drainage: amount paid under contract . . .	\$9,457 37	
Roads and walks: labor and materials	2,446 90	
Gutters: paving	335 37	
Drainage: labor and materials	196 36	
Drainage: advertising contract	17 75	
		\$12,453 75

Boundary Walls and Gateways.

Posts: amount paid under contracts . . .	\$1,678 50	
Gates: amount paid under contract	935 00	
Walls: amount paid under contracts	382 06	
Labor and materials	326 36	
Architects' commission on posts and gates . .	261 35	
Fence: labor	189 31	
		3,772 58

Grading, Loam and General Work.

Loam: material	\$410 67	
Engineers: labor and materials	174 50	
Grading: labor and materials	80 36	
General work: materials	51 41	
		716 94

Plantations.

Labor and materials	62 14	
		17,005 41
<i>Amounts carried forward,</i>		
		\$17,033 21
		\$126,655 74

Amounts brought forward,

\$17,033 21 \$126,655 74

MAINTENANCE.

Roadways, Grounds, Drainage and General Work.

Roads and walks: labor and materials	\$3,034 60		
Stable account: equipment and supplies	350 00		
Drainage: labor	136 03		
Engineers: labor	123 25		
General work: labor and materials	89 91		
Grounds: labor and materials	80 35		
Live stock: materials	26 14		
		3,840 28	
			20,873 49

WEST ROXBURY PARKWAY.

LAND.

Amount paid for land \$17,600 00

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor and materials	\$828 38	
General work: materials, ...	74 27	
Engineers: materials	3 79	
		\$906 44

Plantations.

Labor 262 97

Roadways, Gutters and Drainage.

Drainage: labor	\$84 39	
Roads and walks: labor, ...	83 29	
		167 68

Lawns and Woods.

Materials 51 28

Walls.

Labor 8 88

1,397 25

MAINTENANCE.

Grounds, Buildings, Drainage and General Work.

Grounds: labor	\$760 53		
Roads and walks: labor	6 75		
Drainage: labor	4 44		
Engineers: labor	3 50		
		775 22	
			19,772 47
<i>Amount carried forward,</i>			\$167,301 70

Amount brought forward,

\$167,301 70

FRANKLIN PARK.

CONSTRUCTION.

Plantations.

Labor and materials . . . \$14,846 21

Grading, Loam and General Work.

Loam: material . . . \$5,991 25

General work: labor
and materials . . . 1,913 93Grading: labor and ma-
terials . . . 1,740 90Engineers: labor and
materials . . . 155 45

9,801 53*Roadways, Gutters, and Drainage.*Drainage: labor and ma-
terials . . . \$3,325 90Roads and walks: labor
and materials . . . 2,006 47

Gutters: paving . . . 58 75

5,391 12*Park Walls and Gateways.*

Labor and materials . . . \$3,151 18

Amount paid under con-
tracts . . . 1,228 94

4,380 12*Repair Shops and Storehouse.*

Labor and materials . . . 2,772 38

Lawns and Woods.

Labor and materials . . . 1,587 52

Water Supply.

Water-pipes and labor . . . 553 89

Stable Buildings.

Labor and materials . . . 172 11

Electric Lighting.

Cable . . . 145 69

Settees.

Labor and materials . . . 91 51

Fences.

Labor and materials . . . 63 12

\$39,805 20*Amounts carried forward,*

\$39,805 20 \$167,301 70

Amounts brought forward,

\$39,805 20 \$167,301 70

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Grounds: labor and materials	\$19,514 47		
Roads and walks: labor and materials	18,445 27		
Stable account: equipment and supplies	6,500 67		
Buildings: labor and materials	5,732 10		
General work: labor and materials	4,312 47		
Drainage: labor and materials	728 67		
Live stock: labor and materials	683 20		
Engineers: labor	375 50		
Skating: labor	25 94		
		56,318 29	
			96,123 49

COLUMBIA ROAD.

LAND.

Proportion of amount paid by Street Department for land, and expenses chargeable to this department	\$115,700 00
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CONSTRUCTION.

Proportion of amount paid by Street Department for construction, chargeable to this department	14,300 00
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MAINTENANCE.

Roadways, Grounds, Drainage and General Work.

Roads and walks: labor and materials	\$2,175 70		
Stable account: equipment and supplies	1,455 00		
Engineers: labor	19 25		
Drainage: materials	4 11		
General work: labor and materials	3 40		
		3,657 46	
			133,657 46

DORCHESTERWAY.

CONSTRUCTION.

Roadways, Gutters and Drainage.

Roads and walks: labor and materials	\$265 53		
Drainage: labor and materials	113 59		
		\$379 12	

Plantations.

Labor and materials	48 44		
		\$427 56	

Amounts carried forward,

\$427 56 \$397,082 65

Amounts brought forward,

\$427 56 \$397,082 65

MAINTENANCE.

Roadways, Grounds and Drainage.

Roads and walks: labor and mate-					
rials	\$336	19			
Drainage: labor	9	00			
Grounds: labor	4	75			
				349	94
					777 50

STRANDWAY.

LAND.

Amount paid for land	\$20,098	36			
Expenses	100	00			
				\$20,198	36

CONSTRUCTION.

Fence.

Amount paid under con-					
tract	\$1,713	17			
Materials	26	21			
				\$1,739	38

Filling.

Material	863	00			
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Grading, Loam, and General Work.

Loam: material	\$178	60			
Grading: labor	74	65			
Engineers: labor and					
materials	63	96			
General work: labor	62	47			
				379	68

Fountains.

Labor and materials	290	44			
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Public Landing and Shelter.

Float and gangway	275	00			
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Electric Lighting.

Posts and cable	178	00			
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Roadways, Gutters and Drainage.

Drainage: labor	16	25			
				3,741	75

MAINTENANCE.

Roadways, Grounds, Buildings and Drainage.

Engineers: labor	\$200	25			
Grounds: labor and materials	15	06			
<i>Amounts carried forward,</i>	\$215	31	\$23,940	11	\$397,860 15

<i>Amounts brought forward,</i>	\$215 31	\$23,940 11	\$397,860 15
Boating Service : labor and materials	11 95		
Buildings : materials	3 60		
		230 86	
			24,170 97

MARINE PARK.

CONSTRUCTION.

Plantations.

Labor and materials	\$1,399 11
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Grading, Loam and General Work.

Loam: material	\$523 06	
Grading: labor	277 08	
General work: labor and materials	14 94	
Engineers: labor	11 25	
		826 33

Roadways, Gutters and Drainage.

Drainage: labor and materials	\$370 50	
Gutters: paving	269 38	
Roads and walks: materials	60 22	
		700 10

Settees.

Labor and materials	105 00
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Fence.

Materials	1 88	
		\$3,032 42

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Grounds: labor and materials	\$3,134 45	
Roads, and walks: labor and materials	1,698 39	
Buildings: labor and materials	519 58	
General work: labor and materials	300 09	
Engineers: labor	201 90	
Castle Island bridge: labor and materials	63 17	
Drainage: labor	40 22	
		5,957 80
		8,990 22

WOOD ISLAND PARK.

CONSTRUCTION.

Plantations.

Labor and materials	\$1,215 29
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<i>Amounts carried forward,</i>	\$1,215 29	\$431,021 34
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PARK DEPARTMENT.

35

Amounts brought forward, \$1,215 29 \$431,021 34

Grading, Loam and General Work.

Grading: labor . . .	\$108 02	
General work: labor and materials . . .	9 05	
Engineers: labor . . .	3 50	
		120 57

Settees.

Materials	87 43
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Roadways, Gutters and Drainage.

Roads and walks: labor .	\$21 55	
Drainage: materials. .	7 74	
		29 29

Tool-house.

Labor	4 50	
		\$1,457 08

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Men's gymnasium —		
Grounds, apparatus and building:		
labor and materials . . .	\$4,319 84	
Grounds: labor and materials .	1,646 74	
General work: labor and materials . . .	566 83	
Roads and walks: labor and materials . . .	440 25	
Skating: labor and materials .	392 88	
Engineers: labor	84 50	
Drainage: labor	64 75	
		7,515 79
		8,972 87

CHARLESBANK.

CONSTRUCTION.

Plantations.

Labor and materials	\$1,190 81
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Gymnasium Grounds, Grading, Loam and General Work.

Loam: materials . . .	\$739 64	
Women's gymnasium Grounds: labor and materials	126 62	
		866 26

Structures.

Women's gymnasium building: labor and materials	662 70
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Settees.

Labor	241 31
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Amounts carried forward,	\$2,961 08	\$439,994 21
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Amounts brought forward, \$2,961 08 \$439,994 21

Iron Fence.

Materials	10 72	
		\$2,971 80

MAINTENANCE.

Grounds, Walks, Buildings and General Work.

Men's gymnasium —

Grounds, apparatus and building :

labor and materials	\$3,749 65
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Grounds and walks: labor and ma-

terials	2,527 82
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Women's gymnasium —

Grounds, apparatus and building :

labor and materials	2,106 17
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General work: labor and materials .	423 71
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Skating: labor and materials .	227 24
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Stable account: equipment and

supplies	67 60
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Drainage: labor	8 00
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Engineers: labor	3 50
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		9,113 69
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			12,085 49
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CHARLESTOWN HEIGHTS.

CONSTRUCTION.

Fence.

Materials	\$484 32
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Walks, Gutters and Drainage.

Drainage: labor and

materials	\$134 34
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Walks: labor	7 00
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		141 34
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Plantations.

Labor	59 67
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		\$685 33
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MAINTENANCE.

Grounds, Walks, Buildings, Drainage and General Work.

Grounds and walks: labor and

materials	\$1,558 65
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Buildings: labor and materials . .	520 42
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General work: labor and materials	5 73
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		2,084 80
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			2,770 13
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CHARLESTOWN PLAYGROUND.

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor and ma-

terials	\$2,384 79
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Loam: materials	1,167 44
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Engineers: labor	42 00
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		\$3,594 23
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Amounts carried forward,

		\$3,594 23
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			\$454,849 83
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37

\$3,594 23

\$454,849 83

1,703 09

139 08

139 08

94 93

94 93

9 00

9 00

4 90

4 90

\$5,545 23

Grounds, Walks, Drainage and General Work.

\$1,503 30

419 13

71 35

54 09

14 00

2,061 87

7,607 10

CONSTRUCTION.

\$207 00

\$207 00

Loam: materials . . . \$84 16

\$84 16

$\pi \circ \sigma = \tau$

51 28

135 44

Labor and materials	. . .	120 50
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120 50

\$462 94

Grounds, Walks, Buildings, Drainage and General Work.

\$407 48

20 80

8 25

2 05

1 12

439 70

902 64

\$463,359 57

\$463,359 57

Amount brought forward,

\$463,359 57

FRANKLIN FIELD.

CONSTRUCTION.

Walks, Gutters and Drainage.

Drainage: labor and materials . . .	\$1,688 45	
Walks: materials . . .	8 00	
		\$1,696 45

Grading, Loam and General Work.

General work: labor and materials . . .	\$451 39	
Grading: labor . . .	102 60	
Engineers: labor and materials . . .	26 50	
		580 49

Plantations.

Labor	348 32	
		\$2,625 26

MAINTENANCE.

Grounds, Walks, Buildings, Drainage and General Work.

Grounds and walks: labor and materials	\$3,902 06	
Sheepfold: labor and materials	2,126 24	
Skating: labor and materials	1,201 39	
General work: labor and materials	260 35	
Buildings: labor and materials	164 83	
Engineers: labor	158 50	
Drainage: labor and materials	135 50	
Stable account: equipment and supplies	76 25	
		8,025 12
		10,650 38

NORTH END BEACH.

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor	\$22 48	
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Plantations.

Labor	9 50	
		\$31 98

MAINTENANCE.

Grounds, Walks and Buildings.

Administration Building and Bath House: labor and materials . . .	\$40 21	
Grounds: labor and materials . . .	26 50	
		66 71
		98 69

Amount carried forward,

\$474,108 64

PARK DEPARTMENT.

39

Amount brought forward, \$474,108 64

COPP'S HILL TERRACES.

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds and walks: labor and materials	\$256 10	
Drainage: labor	8 00	
Engineers: labor	3 00	
		267 10

CHESTNUT HILL PARK.

Land.

Expenses	\$75 00	
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CONSTRUCTION.

Plantations.

Labor	\$70 18	
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Roadways, Gutters and Drainage.

Drainage: materials	2 50	
		72 68

MAINTENANCE.

Roadways, Grounds, Buildings, Drainage and General Work.

Grounds: labor and materials	\$1,663 31	
Roads and walks: labor and materials	1,433 80	
General work: labor and materials, ...	130 98	
Drainage: labor	105 16	
Engineers: labor	27 50	
Buildings: materials	1 31	
		3,362 06
		3,509 74

TRINITY TRIANGLE.

MAINTENANCE.

Grounds.

Labor	4 25	
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NORTH BRIGHTON PLAYGROUND.

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor	\$1,446 11	
Engineers: labor	111 36	
General work: labor	3 00	
		\$1,560 47

Walks, Gutters and Drainage.

Drainage: labor and materials	1,123 86	
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Amounts carried forward, \$2,684 33 \$477,889 73

<i>Amounts brought forward,</i>	\$2,684 33	\$477,889 73
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Plantations.

Labor:	.	.	.	.	.	.	19 98	
							<u> </u>	\$2,704 31

MAINTENANCE.

Grounds and General Work.

Grounds and walks: labor and materials	\$335 93	
Skating: labor	84 68	
Engineers: labor	61 25	
General work: labor and materials	12 40	
		494 26
		3,198 57

NEPONSET PLAYGROUND.

CONSTRUCTION.

Grading Loam and General Work.

Loam: material	.	.	\$758	58	
Grading: labor	.	.	549	41	
Engineers: labor	.	.	3	50	
			<u> </u>		\$1,311 49

Filling.

Material	.	.	.	.	.	371 11
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Walks and Drainage.

Drainage: labor	.	.	.	.	6 75	
					<u> </u>	\$1,689 35

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds and walks: labor and materials	\$339 82	
Skating: labor and materials	234 28	
Drainage: labor and materials	10 63	
General work: labor	6 75	
Engineers: labor	6 50	
		597 98
		2,287 33

BILLINGS FIELD.

CONSTRUCTION.

Filling.

Material	\$114 06
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Walks and Drainage.

Drainage: labor	.	.	.	.	113	64
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Grading, Loam and General Work.

Loam: materials	9 87	
	<u> </u>	\$237 57

Amounts carried forward,	\$237,57	\$483,375	63
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Amounts brought forward, \$237 57 \$483,375 63

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Skating : labor and materials	\$505 09		
Grounds and walks : labor and materials	308 04		
Drainage : labor	109 46		
General work : labor and materials	17 43		
Stable account : equipments and supplies	17 25		
Engineers : labor	4 75		
		962 02	
			1,199 59

FIRST-STREET PLAYGROUND.

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds and walks : labor and materials	\$288 50		
Skating : labor and materials	143 19		
			431 69

NORTH-END PLAYGROUND.

LAND.

Amount paid for land \$29,516 54

CONSTRUCTION.

Grading, Loam and General Work.

Grading : labor and materials \$24 90

Plantations.

Materials	9 00	
		33 90

MAINTENANCE.

Grounds and Walks.

Labor and materials	251 58	
		29,802 02

MYSTIC PLAYGROUND.

CONSTRUCTION.

Grading, Loam and General Work.

Loam : materials	\$541 67	
Grading : labor	159 63	
		\$701 30

Plantations.

Labor	158 34	
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Fence.

Materials	18 00	
		\$877 64

Amounts carried forward, \$877 64 \$514,808 93

Amounts brought forward,

\$877 64 \$514,808 93

MAINTENANCE.

Grounds and Walks.

Grounds : labor and materials 34 52

912 16

FELLOWS-STREET PLAYGROUND.

CONSTRUCTION.

Plantations.

Labor and materials. \$24 23

MAINTENANCE.

Grounds and Walks.

Grounds : labor \$34 50

Engineers : labor 13 00

47 50

71 73

CHRISTOPHER GIBSON PLAYGROUND.

CONSTRUCTION.

*Locker and Lavatory Building.*Amount paid under con-
tract for building . \$1,733 00Amount paid under con-
tract for plumbing . 982 63

Labor and materials . 400 92

\$3,116 55*Grading, Loam and General Work.*

Loam : materials . . . \$877 85

Grading : labor and ma-
terials . . . 792 94Engineers : labor and
materials . . . 12 25

1,683 04*Filling.*

Material 1,215 94

Plantations.

Labor and materials. 90 92

Water Supply.

Material 10 00

Walks and Drainage..

Drainage: materials 6 75

\$6,123 20*Amounts carried forward,*

\$6,123 20 \$515,792 82

Amounts brought forward,

\$6,123 20 \$515,792 82

MAINTENANCE.

Grounds, Walks, Buildings, Drainage and General Work.

Grounds and walks: labor and materials	\$851 73		
Buildings: labor	358 28		
Skating: labor and materials	225 84		
General work: labor and materials	118 88		
Drainage: labor	80 12		
Engineers: labor	39 00		
		1,673 85	
			7,797 05

ROGERS PARK.

CONSTRUCTION.

Fence.

Labor and materials \$563 03

Walks and Drainage.

Drainage: labor and materials 528 01

Plantations.

Labor 95 58

Grading, Loam and General Work.

General work: materials	\$45 00		
Engineers: labor	24 50		
Grading: labor	8 67		
		78 17	
			\$1,264 79

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds and walks: labor and materials	\$362 26		
General work: labor and materials	115 10		
Engineers: labor	78 00		
Skating: labor	13 75		
Drainage: labor	2 00		
		571 11	
			1,835 90

COLUMBUS AVENUE PLAYGROUND.

LAND.

Amount paid for land	\$327 50		
Expenses	114 50		
		\$442 00	
<i>Amounts carried forward,</i>			\$442 00 \$525,425 77

Amounts brought forward,

\$442 00 \$525,425 77

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor and materials	\$3,754 94	
Loam: materials	1,230 64	
General work: materials, ...	50 62	
Engineers: labor	44 00	
		\$5,080 20

Walks and Drainage.

Drainage: labor and materials	791 01
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Plantations.

Labor and materials	51 68	
		5,922 89

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds and walks: labor and materials	\$503 05	
Skating: labor and materials	218 80	
Drainage: labor	8 50	
General work: labor and materials	8 35	
		738 70
		7,103 59

SAVIN HILL PLAYGROUND.

LAND.

Expenses	301 90
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CONSTRUCTION.

Filling.

Material	\$2,269 90
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Grading, Loam, and General Work.

Grading: labor and materials	\$613 49	
Engineers: labor	7 00	
		620 49

Walks and Drainage.

Drainage: labor	145 75	
		3,036 14

MAINTENANCE.

Grounds, Walks, Drainage, and General Work.

Grounds: labor and materials	\$405 13	
Drainage: labor	15 64	
General work: labor	4 63	
		425 40
		3,763 44

Amount carried forward,

\$536,292 80

Amounts brought forward,

\$536,292 80

ROSLINDALE PLAYGROUND.

CONSTRUCTION.

Grading, Loam and General Work.

Grading: labor and materials	\$3,795 21	
Engineers: labor and materials	251 92	
General work: materials	5 62	
		\$4,052 75

Walks and Drainage.

Drainage: labor and materials	1,302 56	
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Walls.

Labor	226 00	
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Plantations.

Labor	16 00	
		\$5,597 31

MAINTENANCE.

Grounds, Walks, Drainage and General Work.

Grounds: labor and materials	\$965 20	
Skating: labor and materials	184 34	
Drainage: labor	50 11	
Walls: labor	8 88	
General work: labor and materials, ...	5 75	
		1,214 28
		6,811 59

FOREST HILLS PLAYGROUND.

LAND.

Expenses	\$9 00	
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MAINTENANCE.

Grounds, Walks and Drainage.

Grounds: materials	125 00	
		134 00

OFFICE EXPENSES.

MAINTENANCE.

Salaries	\$7,638 00	
Counsel fees: Park Investigation	3,850 00	
Printing	688 74	
Telephones and expenses	541 56	
Carriage-hire	449 00	
Office library	297 25	
Stationery	107 33	
Travelling expenses	92 08	
		13,663 96
		\$556,902 35

III.
General Exhibit of Appropriations, 1900-1901.

OBJECTS OF APPROPRIATION.	Page	Balances January 31, 1900.	Appropriations and Transfers, 1900-1901.	Total Credits.	Expenditures, 1900-1901.	Balances January 31, 1901.
Public Parks, Land and Construction.....	47	\$167,880 00	\$100,000 00	\$267,880 00	\$178,266 56	\$89,613 44
North Brighton Playground.....	47	6,158 70	.....	6,158 70	2,704 31	3,454 39
Gymnasium, Ward 10.....	49	3,500 00	.....	3,500 00	.....	3,500 00
Mystic Playground.....	47	659 65	.....	659 65	659 65	.....
Fellows-street Playground.....	47	389 57	.....	389 57	24 23	.....
Christopher Gibson Playground.....	48	3,080 45	.....	3,080 45	3,080 45	365 34
Rogers Park.....	48	1,264 79	.....	1,264 79	1,264 79	.....
Chestnut Hill Park.....	48	92,309 60	.....	92,309 60	75 00	.....
Land for Playgrounds.....	48	257 92	.....	257 92	257 92	92,234 60
Playgrounds.....	48	80,001 01	100,000 00	180,001 01	30,269 44	149,731 57
Playgrounds, Construction.....	48	.....	25,000 00	25,000 00	25,000 00	.....
Columbia Road.....	49	.....	130,000 00	130,000 00	130,000 00	.....
Speedway.....	49	.....	25,000 00	25,000 00	.....	25,000 00
Park Department, Maintenance.....	49	.....	181,300 00 { 4,000 00 }	185,300 00	185,300 00	.....
		\$355,501 69	\$565,300 00	\$920,801 69	\$556,902 35	\$363,899 34

IV.

Appropriations and Balances in Detail for the Financial Year 1900-1901.

PUBLIC PARKS.

Balance unexpended January 31, 1900	\$167,880 00
Loan issued July 31, 1900	25,000 00
Loan authorized January 5, 1901, but not issued, ...	75,000 00
	<u>\$267,880 00</u>

Expenditures.

Commonwealth Avenue	\$857 92
Fens	44,459 37
Riverway	2,183 64
Olmsted Park	17,676 88
Arborway	1,480 72
Arnold Arboretum and Bussey Park	17,033 21
West Roxbury Parkway	18,997 25
Franklin Park	39,805 20
Dorchesterway	427 56
Strandway	23,940 11
Marine Park	3,032 42
Wood Island Park	1,457 08
Charlesbank	2,971 80
Charlestown Heights	685 33
Charlestown Playground	1,836 02
Dorchester Park	462 94
Franklin Field	854 45
Public Park, North End	31 98
Chestnut Hill Park	72 68
Balance unexpended January 31, 1901	89,613 44
	<u>\$267,880 00</u>

NORTH BRIGHTON PLAYGROUND.

Balance unexpended January 31, 1900	<u>\$6,158 70</u>
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Expenditures.

Paid on account of construction	\$2,704 31
Balance unexpended January 31, 1901	3,454 39
	<u>\$6,158 70</u>

MYSTIC PLAYGROUND.

Balance unexpended January 31, 1900	<u>\$659 65</u>
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Expenditures.

Paid on account of construction	<u>\$659 65</u>
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FELLOWS-STREET PLAYGROUND.

Balance unexpended January 31, 1900	<u>\$389 57</u>
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Expenditures.

Paid on account of construction	\$24 23
Balance unexpended January 31, 1901	365 34
	<u>\$389 57</u>

CHRISTOPHER GIBSON PLAYGROUND.

Balance unexpended January 31, 1900	\$3,080 45
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Expenditures.

Paid on account of construction	\$3,080 45
---	------------

ROGERS PARK.

Balance unexpended January 31, 1900	\$1,264 79
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Expenditures.

Paid on account of construction	\$1,264 79
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CHESTNUT HILL PARK.

Balance unexpended January 31, 1900	\$17,309 60
Loan authorized under Chap. 274, Acts of 1899, but not issued	75,000 00
	<u>\$92,309 60</u>

Expenditures.

Paid on account of land	\$75 00
Balance unexpended	92,234 60
	<u>\$92,309 60</u>

LAND FOR PLAYGROUNDS, EXECUTIONS, ETC.

Balance unexpended January 31, 1900	\$257 92
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Expenditures.

Neponset Playground	\$119 01
Roslindale Playground	138 91
	<u>\$257 92</u>

PLAYGROUNDS. (*Land.*)

Balance unexpended January 31, 1900	\$80,001 01
Loan authorized under Chap. 412, Acts of 1898, but not issued	100,000 00
	<u>\$180,001 01</u>

EXPENDITURES.

Columbus avenue Playground	\$442 00
Savin Hill Playground	301 90
North End Playground	29,516 54
Forest Hills Playground	9 00
Balance unexpended January 31, 1901	149,731 57
	<u>\$180,001 01</u>

PLAYGROUNDS CONSTRUCTION.

Amount appropriated under loan order approved by the Mayor, July 31, 1900	\$25,000 00
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EXPENDITURES.

Columbus avenue Playground	\$5,922 89	
Roslindale Playground	5,458 40	
Charlestown Playground	3,709 21	
Christopher Gibson Playground	3,042 75	
Savin Hill Playground	3,036 14	
Franklin Field	1,770 81	
Neponset Playground	1,570 34	
Billings Field	237 57	
Mystic Playground	217 99	
North End Playground	33 90	
		\$25,000 00

GYMNASIUM, WARD 10.

Amount appropriated under general loan order dated October 1, 1897	\$3,500 00
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EXPENDITURES.

Balance unexpended January 31, 1901	\$3,500 00
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SPEEDWAY, FRANKLIN FIELD.

Amount appropriated under loan order approved by the Mayor, January 5, 1901	\$25,000 00
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EXPENDITURES.

Balance unexpended January 31, 1901	\$25,000 00
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COLUMBIA ROAD.

Proportion of highway loan issued as Public Park Loan, in year 1900, under Chap. 319, Acts of 1897	\$130,000 00
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EXPENDITURES.

Paid on account of land	\$115,700 00	
Paid on account of construction	14,300 00	
		\$130,000 00

PARK DEPARTMENT.

MAINTENANCE.

Appropriation for financial year 1900-1901	\$181,300 00	
Amount contributed by abutters, Common- wealth avenue	4,000 00	
		\$185,300 00

EXPENDITURES.

Paid on account of maintenance as per Exhibit, page 24	\$185,300 00
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INCOME.

Receipts.

Received from rents, sale of buildings, wool, sheep, grass, wood, etc.	\$2,051 04
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Payments.

Income carried to General City Income	\$2,051 04
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V.

Summary of Expenditures on Account of Park and Play-ground Construction from the Organization of the Board, October 8, 1875, to January 31, 1901.

MAIN PARK SYSTEM.

COMMONWEALTH AVENUE.

Roadways, sidewalks, gutters and drainage .	\$84,422	21
Plantations	12,693	59
Electric lighting	5,690	65
Lawns and woods, grading, loam, and general work	3,167	45
Machinery, tools, etc.	884	90
Settees and signs	458	41
Plans and designs	22	90
		\$107,340 11

FENS.

Filling	\$576,811	15
Excavating, lawns and woods, grading, loam and general work	548,852	29
Roadways, sidewalks, gutters and drainage .	354,456	58
Retaining walls, curb and fence	118,177	77
Plantations	92,085	00
Boylston bridge	92,011	43
Charlesgate bridge	65,287	67
Agassiz bridge	52,013	50
Sea-wall, gate-chamber and filling	48,442	99
Stony brook bridge	40,007	11
Railroad bridge	39,995	04
Fen bridge	29,427	80
Plans, designs and superintendence	27,280	28
Machinery, tools, etc.	14,188	99
Office and general expenses	14,114	92
Electric lighting	7,015	30
Surveying	5,472	16
Stony brook channel and gate-house	2,181	28
Water supplies, settees and live stock	1,766	70
Duck-house	350	00
Boating-service	306	04
		2,130,244 00

RIVERWAY.

Excavating, lawns and woods, grading, loam and general work	\$193,250	43
Filling	104,143	90
Roadways, sidewalks, gutters and drainage .	100,255	37
Longwood avenue bridge	66,925	90
Audubon bridge	39,654	27
Bridle-path bridge	32,929	09

Amounts carried forward

\$537,158 96 \$2,237,584 11

<i>Amounts brought forward,</i>	\$537,158 96	\$2,237,584 11
Plantations	27,632 05	
Administration building	27,005 12	
Foot-bridges and culverts	14,345 00	
Tremont street bridge	13,273 53	
Brookline avenue bridge	8,936 82	
Retaining walls	8,852 06	
Bellevue street bridge	8,163 96	
Surveys, plans, designs and superintendence	7,196 67	
Shelter	4,513 65	
Electric lighting	2,895 97	
Water supply, settees and fence	2,261 31	
Machinery, tools, etc.	468 75	
Boating-service	181 21	
Gate-house	105 15	
		662,990 21

OLMSTED PARK.

Excavating, lawns and woods, grading, loam and general work	\$336,853 71	
Roadways, sidewalks, gutters and drainage	145,955 12	
Retaining-walls, steps and culverts	67,285 21	
Plantations	63,439 53	
Pine bank-house and horse-sheds	32,774 10	
Electric lighting	10,484 39	
Surveys, plans, designs and superintendence	10,368 43	
Leverett pond bridge	9,850 59	
Water supply, fountains and settees	9,022 67	
Foot-bridges and culverts	6,843 46	
Machinery, tools, etc.	6,167 55	
Boating-service	1,598 74	
Iron railing and fence	1,163 63	
Gate-house	80 73	
Filling	15 75	
		701,903 61

ARBORWAY.

Roadways, sidewalks, gutters and drainage	\$170,061 87	
Lawns and woods, grading grounds, loam and general work	89,134 94	
Arches	64 631 57	
Plantations	18,705 45	
Water supply and settees	10,467 49	
Culverts	5,489 53	
Walls	5,063 52	
Stony brook bridge	4,503 43	
Electric lighting	3,450 50	
Filling	2,819 16	
Machinery, tools, etc.	2,360 62	
Plans and designs	281 94	
Gas-lamps	80 00	
		377,050 02

ARNOLD ARBORETUM AND BUSSEY PARK.

Roadways, sidewalks, gutters and drainage	\$309,671 01	
Lawns and woods, grading, loam and general work	31,808 69	
Boundary walls and gateways	30,835 18	

Amounts carried forward, \$372,314 88 \$3,979,527 95

<i>Amounts brought forward,</i>	\$372,314 88	\$3,979,527 95
Machinery, tools, etc.	3,607 23	
Plans, designs and superintendence	1,652 47	
Plantations	1,107 15	
Water supply and settees	514 20	
Surveying	100 00	
		379,295 93

WEST ROXBURY PARKWAY.

Lawns and woods, grading grounds, loam and general work	\$12,581 89	
Roadways, gutters and drainage	4,461 70	
Plantations	2,486 35	
Plans, designs and superintendence	577 01	
Walls	12 88	
		20,119 83

FRANKLIN PARK.

Roadways, sidewalks and gutters	\$807,239 61	
Lawns and woods, grading grounds, loam and general work	556,677 29	
Plantations	206,038 09	
Refectory building	109,793 15	
Park wall and gateways	89,881 56	
Seaver-street improvement	84,817 75	
Shelter and Overlook	60,561 54	
Forest Hills bridge	52,972 17	
Scarboro' Pond	40,943 11	
Arbor, Schoolmaster's Hill	29,514 11	
Plans, designs and superintendence	28,343 95	
Reservoir	27,634 39	
Scarboro' Pond bridges	26,703 10	
Water supply, fountains and settees	26,366 56	
Stable building, repair shops and store-house	26,254 39	
Ellicott Arch	16,732 21	
Pergola wall, steps and terrace	16,244 30	
Carriage-sheds	15,510 98	
Ellicott House	14,922 87	
Ellicottdale	12,542 94	
Machinery, tools, etc.	12,413 15	
Temporary buildings and structures	12,299 11	
Playstead	10,399 76	
Propagating-house	8,205 55	
Electric lighting	6,182 09	
Terrace wall	3,956 05	
Concourse, Scarboro' Hill	3,569 80	
Culverts	3,129 34	
Carriage shelter	2,694 70	
Fences	1,535 36	
Boating-service	51 16	
		2,314,130 14

MARINE PARK SYSTEM.

COLUMBIA ROAD.

Construction by Street Department	225,000 00
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DORCHESTERWAY.

Roadways, sidewalks, gutters and drainage	\$31,539 85	
Filling	21,821 82	
<i>Amounts carried forward,</i>	\$53,361 67	\$6,918,073 85

PARK DEPARTMENT.

53

<i>Amounts brought forward,</i>	\$53,361 67	\$6,918,073 85
Grading loam and general work	9,564 09	
Plans, designs and superintendence	1,317 24	
Culverts	653 00	
Plantations	156 56	
		65,052 56

STRANDWAY.

Sea-wall and grading	\$129,578 38	
Filling	104,657 72	
Lawns and woods, grading, loam and general work	29,599 52	
Public landing and shelter	15,013 13	
Drainage	4,524 23	
Fence	1,739 38	
Plans, designs and superintendence	479 77	
Fountains	290 44	
Electric lighting	178 00	
Culverts	60 50	
Plantations	18 80	
		286,139 87

MARINE PARK.

Filling, lawns and woods, grading, loam and general work	\$581,701 01	
Iron pier and railing	175,571 99	
Head-house	110,836 13	
Pier-head	67,232 97	
Structures, temporary pier, and gas-lights	43,829 05	
Roadways, sidewalks, gutters and drainage	41,151 21	
Plantations	11,650 63	
Bulkhead	4,996 00	
Plans, designs and superintendence	3,870 46	
Electric lighting	2,453 04	
Water supply, settees and fence	2,206 76	
Dredging	1,114 20	
Boating-service	1,023 61	
Machinery, tools and implements	38 00	
		1,047,675 06

CASTLE ISLAND.

Temporary buildings and structures	\$25,588 70	
Clearing, grading grounds and drainage	3,837 98	
Water supply, settees and tent	2,050 10	
Plantations	486 98	
Shelter	100 00	
		32,063 76

WOOD ISLAND PARK

Lawns and woods, grading, loam and general work	\$103,349 08	
Neptune bridge	32,320 63	
Filling	29,852 82	
Field-house	20,283 89	
Plantations	15,335 03	
Roads, walks, gutters and drainage	14,727 24	
Bath-house	9,880 66	
Gymnasium grounds, apparatus and play-ground	7,280 92	
Foot-bridge and culverts	3,551 90	

<i>Amounts carried forward,</i>	\$236,582 17	\$8,349,005 10
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<i>Amounts brought forward,</i>	\$236,582 17	\$8,349,005 10
Iron fence and frame	3,039 99	
Water supply and settees	2,540 11	
Electric lighting	2,163 53	
Plans, designs and superintendence	1,688 03	
Tool-house	217 59	
Machinery, tools and implements	42 80	
		246,274 22

CHARLESBANK.

Sea-wall and filling	\$176,353 90	
Gymnasium grounds, apparatus, filling, loam and general work	53,311 22	
Men's Lavatory building	23,250 53	
Women's Lavatory building and children's shelter	18,351 88	
Plantations	14,214 48	
Walks and drainage	11,769 27	
Iron railing, fence and gas-lights	10,024 55	
Plans, designs and superintendence	2,076 27	
Water supply and settees	1,072 72	
Damages	972 51	
Machinery, tools, etc.	56 00	
		311,453 33

CHARLESTOWN HEIGHTS.

Grading, lawns and woods, filling, loam and general work	\$32,929 25	
Shelter building	27,240 32	
Retaining wall	18,838 98	
Sidewalks, gutters and drainage	8,372 09	
Plantations	7,927 58	
Steps	3,971 42	
Plans, designs and superintendence	1,430 59	
Water supply, settees, fountains and flag-staff	486 51	
Fence	484 32	
Electric lighting	334 00	
		102,015 06

CHARLESTOWN PLAYGROUND.

Grading, loam and general work	\$12,583 94	
Fence	1,703 09	
Plantations	484 60	
Plans, designs and superintendence	204 99	
Walks and drainage	148 86	
Tool-house	94 93	
Water supply	4 90	
		15,225 31

DORCHESTER PARK.

Grading, lawns and woods, loam and general work	\$4,469 13	
Walls	3,623 82	
Shelter	963 32	
Plans, designs and superintendence	797 40	
Temporary structures	774 95	
<i>Amounts carried forward,</i>	\$10,628 62	\$9,023,973 02

<i>Amounts brought forward,</i>	\$10,628 62	\$9,023,973 02
Water supply	105 53	
Plantations	38 03	
Walks and drainage	4 48	
		10,776 66

FRANKLIN FIELD.

Grading, lawns and woods, loam and general work	\$32,808 09	
Walks, gutters and drainage	28,612 93	
Plantations	12,590 99	
Buildings	6,744 98	
Fence, flagstaff and wall	1,412 97	
Plans, designs and superintendence	815 06	
Machinery, tools, etc.	480 55	
Water supply	46 89	
		83,512 46

NORTH END BEACH.

Clearing, grading, loam, and general work	\$61,046 79	
Administration Building and Women's bath-house	42,683 16	
Piers	31,823 84	
Men's bath-house	13,052 97	
Walls	8,422 73	
Iron railing	3,698 88	
Walks and drainage	1,946 63	
Filling	1,302 04	
Plans, designs and superintendence	1,189 14	
Boating-service	578 32	
Band-stand	571 44	
Electric lighting	407 00	
Water supply, settees and fence	346 50	
Boring	224 62	
Temporary building	33 73	
Plantations	17 00	
		167,344 79

COPP'S HILL TERRACES.

Walls, drainage, grading, loam, and general work	\$29,771 52	
Fences	1,225 68	
Plantations	405 00	
Electric lighting	245 25	
Plans, designs and superintendence	110 83	
Sidewalks	90 58	
		31,848 86

CHESTNUT HILL PARK.

Plantations	\$1,230 22	
Grading, lawns and woods, loam and general work	197 67	
Roadways, gutters and drainage	160 00	
Fence	31 74	
		1,619 63

Amount carried forward, \$9,319,075 42

Amount brought forward,

\$9,319,075 42

NORTH BRIGHTON PLAYGROUND.

Grading, loam and general work	\$3,804 85	
Filling	1,907 83	
Walks, gutters and drainage	1,316 22	
Plantations	19 98	
		7,048 88

NEPONSET PLAYGROUND.

Filling	\$5,026 78	
Grading, loam and general work	2,651 64	
Walks and drainage	2,566 14	
Bulkhead	553 10	
Plans and designs	239 21	
Water supply	152 48	
		11,189 35

BILLINGS FIELD.

Filling	\$3,386 06	
Lawns and woods, grading, loam and general work	1,822 36	
Walks and drainage	1,289 78	
Plans and designs	239 37	
		6,737 57

FIRST STREET PLAYGROUND.

Grading, loam and general work	\$5,320 40	
Gutters and drainage	2,272 41	
Filling	987 28	
Water supply	912 96	
Plantations	61 80	
		9,554 85

NORTH END PLAYGROUND.

Grading, loam and general work	\$24 90	
Plantations	9 00	
		33 90

MYSTIC PLAYGROUND.

Fence	\$817 65	
Grading, loam and general work	742 00	
Plantations	158 34	
		1,717 99

FELLOWS STREET PLAYGROUND.

Settees and fence	\$584 93	
Filling	496 28	
Grading and general work	25 50	
Plantations	24 23	
		1,130 94

CHRISTOPHER GIBSON PLAYGROUND.

Lavatory building	\$6,111 20	
Grading, loam and general work	2,304 84	
Filling	1,515 04	

Amounts carried forward,

\$9,931 08 \$9,356,488 90

PARK DEPARTMENT.

57

<i>Amounts brought forward,</i>	\$9,931 08	\$9,356,488 90
Plantations	90 92	
Walks and drainage	10 75	
Water supply	10 00	
		10,042 75

ROGERS PARK.

Walks and drainage	\$1,263 22	
Fence	563 03	
Plantations	95 58	
Grading, loam and general work	78 17	
		2,000 00

COLUMBUS AVENUE PLAYGROUND.

Grading, loam and general work	\$5,080 20	
Walks and drainage	791 01	
Plantations	51 68	
		5,922 89

SAVIN HILL PLAYGROUND.

Filling	\$2,269 90	
Grading, loam and general work	620 49	
Walks and drainage	145 75	
		3,036 14

ROSLINDALE PLAYGROUND.

Grading, loam and general work	\$4,052 75	
Walks and drainage	1,302 56	
Walls	226 00	
Plantations	16 00	
		5,597 31

SUNDRY ACCOUNTS.

General account	\$73,987 50	
Park Nursery	29,947 07	
		103,934 57
		\$9,487,022 56

VI.

Summary of Expenditures on account of Public Parks and Playgrounds, Land, Construction and Betterments, from the Organization of the Board, October 8, 1875, to January 31, 1901.

LAND.

Main Park System :

Fens	\$596,254 49	
Riverway	457,457 53	
Olmsted Park	1,081,947 60	
Arborway	245,584 25	
Arnold Arboretum and Bussey Park	79,343 65	
West Roxbury Parkway	135,265 29	
Franklin Park	1,551,196 63	
		\$4,147,049 44

Marine Park System:

Columbia Road	\$391,000 00	
Dorchesterway	63,735 54	
Strandway	523,317 09	
Marine Park	232,972 57	
		1,211,025 20
Wood Island Park		132,800 00
Charlesbank		373,916 99
Trinity Triangle		30,000 00
Charlestown Heights		50,538 02
Charlestown Playground		172,923 31
Dorchester Park		63,239 97
Franklin Field		157,341 22
North End Beach		328,364 44
Copp's Hill Terraces		90,858 19
Chestnut Hill Park		57,765 40
North Brighton Playground		22,107 12
Neponset Playground		24,804 39
Billings Field		47,068 98
Freeport street Triangle		4,000 00
North End Playground		160,974 70
Mystic Playground		50,125 00
Fellows street Playground		14,503 72
Christopher Gibson Playground		37,709 58
Columbus avenue Playground		268,756 48
Ashmont Playground		87 18
Savin Hill Playground		27,147 30
Roslindale Playground		24,825 11
Forest Hills Playground		156 75
Playgrounds, Investigation of sites		168 79
		\$7,498,257 28

CONSTRUCTION.

Main Park System:

Commonwealth Avenue	\$107,340 11
Fens	2,130,244 00
Riverway	662,990 21

Amounts carried forward, \$2,900,574 32

\$7,498,257 28

PARK DEPARTMENT.

59

<i>Amounts brought forward,</i>	\$2,900,574 32	\$7,498,257 28
Olmsted Park	701,903 61	
Arborway	377,050 02	
Arnold Arboretum and Bus-		
Park	379,295 93	
West Roxbury Parkway . .	20,119 83	
Franklin Park	2,314,130 14	
		\$6,693,073 85
Marine Park System:		
Columbia Road	\$225,000 00	
Dorchesterway	65,052 56	
Strandway	286,139 87	
Marine Park	1,047,675 06	
Castle Island	32,063 76	
		1,655,931 25
Wood Island Park		246,274 22
Charlesbank		311,453 33
Charlestown Heights		102,015 06
Charlestown Playground . .		15,225 31
Dorchester Park		10,776 66
Franklin Field		83,512 46
North End Beach		167,344 79
Copp's Hill Terraces		31,848 86
Chestnut Hill Park		1,619 63
North Brighton Playground .		7,048 88
Neponset Playground		11,189 35
Billings Field		6,737 57
First street Playground . . .		9,554 85
North End Playground		33 90
Mystic Playground		1,717 99
Fellows street Playground . .		1,130 94
Christopher Gibson Playground		10,042 75
Columbus avenue Playground .		5,922 89
Savin Hill Playground		3,036 14
Roslindale Playground		5,597 31
Rogers Park		2,000 00
General Account		73,987 50
Park Nursery		29,947 07
		9,487,022 56
	BETTERMENTS.	
Betterment expenses		13,356 10
		\$16,998,635 94

VII.

**PARK BETTERMENTS COLLECTED BY CITY COLLECTOR,
TO FEBRUARY 1, 1901.**

	Assessm'ts committed to Collector.	Abated.	Net Assess- ments.	Collected.	Outstand- ing Feb. 1, 1901.
Public Park, Back Bay...	\$434,600 00	\$144,195 73	\$290,404 27	\$290,404 27	
Marine Park.....	23,543 00	12,616 80	10,926 20	10,926 20	
Franklin Park.....	135,029 00	122,000 66	13,028 34	13,028 34	
Parkway, Old Harbor.....	60,789 00	50,426 00	10,363 00	8,256 00	\$2,107 00
“ Muddy River...	108,972 00	81,631 25	27,340 75	22,637 75	4,703 00
“ West Roxbury.	154,107 00	113,658 00	40,449 00	30,238 00	10,211 00
“ Dorchester	9,713 00	3,055 54	6,657 46	5,927 74	729 72
	\$926,753 00	\$527,583 98	\$399,169 02	\$381,418 30	\$17,750 72

VIII.

PUBLIC PARK DEBT.

Liabilities.

Total loan outstanding, January 31, 1901 . . . \$13,820,300 00

Resources.

Resources of Sinking-Fund, January 31, 1901 . . . 3,431,328 73

Net Debt, January 31, 1901 . . . \$10,388,971 27

***PLAYGROUND DEBT.**

Outstanding loans, January 31, 1901 . . . \$777,060 98

*The funds for the payment of this debt being part of the General Sinking-Fund cannot be specifically stated.

PARKS.	Year of Taking.	COST TO DATE.			Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction	Total.					
MAIN PARK SYSTEM:									
Commonwealth avenue.....	1894.....	.....	\$107,340 11	\$107,340 11	30 acres.....	2.8 miles	4.13 miles		
*Fens.....	1879.....	\$596,254 49	2,130,244 00	2,726,498 49	115 "	4 "	6.7 "	1.1 miles	28 acres
* † Riverway.....	1890.....	457,457 53	662,990 21	1,120,447 74	40 "	1.4 "	2.8 "	1.2 "	8 "
* † Olmsted Park.....	1890 and 1892	1,081,947 60	701,903 61	1,783,851 21	180 "	2.7 "	5.8 "	1.6 "	77 "
* Arborway	1892.....	245,584 25	377,050 02	622,634 27	36 "	3.4 "	1.25 "	1.4 "	
* Arboretum.....	1882 and 1895	79,343 65	379,295 93	458,639 58	223 "	3.4 "	5.65 "	.....	0.6 acre
West Roxbury Parkway.....	1894.....	135,265 29	20,119 83	155,385 12	150 "	2.8 "	4.3 "	2.4 "	
* Franklin Park.....	1883 and 1884	1,551,196 63	2,314,130 14	3,865,326 77	527 "	7.3 "	14.5 "	1 mile	7.4 acres
MARINE PARK SYSTEM:									
Columbia Road.....	1899.....	391,000 00	225,000 00	616,000 00	} 84 " land { 200 " flats }				
* Dorchesterway.....	1892.....	63,735 54	65,052 56	128,788 10		4.2 "	5.75 "		
Strandway.....	{ 1890, 1892 } and 1897 }	523,317 09	286,139 87	809,456 96					
* Marine Park.....	1883.....	232,972 57	1,047,675 06	1,280,647 63	{ 34 " land { 150 " flats }	0.5 mile	1.3 "	.....	4.4 "
† Castle Island.....	1890.....	.....	32,063 76	32,063 76	{ 21 " land { 83 " flats }				
* WOOD ISLAND PARK.....	1882 and 1891	132,800 00	246,274 22	379,074 22	{ 46 " land { 165 " flats }	0.3 "	2.1 "		
Carried forward.....	.....	\$5,490,874 64	\$8,594,279 32	\$14,086,153 96	2,084 acres.....	32.8 miles	54.28 miles	8.7 miles	125.4 acres

Park Statistics to January 31, 1901.—Continued.

PARKS.	Year of Taking.	COST TO DATE.			Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction	Total.					
<i>Brought forward</i>.....	.....	\$5,490,874 64	\$8,594,279 32	\$14,086,153 96	2,084 acres.	32.8 miles.	54.28 miles.	8.7 miles.	125.4 acres.
*CHARLESBANK.....	1883.....	373,916 99	311,453 33	685,370 32	10 " land	.....	1.5 "		
*TRINITY TRIANGLE.....	1885.....	30,000 00	.....	30,000 00	5,410 sq. feet				
*CHARLESTOWN HEIGHTS.....	1891.....	50,538 02	102,015 06	152,553 08	{ 4 acres land }	.....	0.4 mile		
*CHARLESTOWN PLAYGROUND.....	1891.....	172,923 31	15,225 31	188,148 62	{ 6 " flats }	.....	0.6 "		
*DORCHESTER PARK.....	1891.....	63,239 97	10,776 66	74,016 63	{ 14 " land }	.....			
*FRANKLIN FIELD.....	1892.....	157,341 22	83,512 46	240,853 68	{ 4 " flats }				
*NORTH END BEACH.....	1893.....	328,364 44	167,344 79	495,709 23	26 "				
*COPP'S HILL TERRACES.....	1893.....	90,858 19	31,848 86	122,707 05	{ 2.7 " land }	.....	0.11 "		
CHESTNUT HILL PARK.....	1898 and 1899	57,765 40	1,619 63	59,385 03	{ 4 " flats }	2.4 "			
*NORTH BRIGHTON PLAYGROUND...	1894.....	22,107 12	7,048 88	29,156 00	77 "				
NEPONSET PLAYGROUND.....	1896.....	24,804 39	11,189 35	35,993 74	2.7 " land }				
*BILLINGS FIELD.....	1896.....	47,068 98	6,737 57	53,806 55	{ 4 " flats }				
§ FIRST-STREET PLAYGROUND.....	1897.....	.....	9,554 85	9,554 85	0.6 "	.....	0.4 "		
* || FREEPORT-STREET TRIANGLE....	1897.....	4,000 00	.....	4,000 00	6,263 sq. feet.				
NORTH END PLAYGROUND.....	{ 1897, 1899, }	160,974 70	33 90	161,008 60	17,452 "				
*MYSTIC PLAYGROUND.....	1897.....	50,125 00	1,717 99	51,842 99	2.3 acres.				
*FELLOWS-STREET PLAYGROUND...	1897.	14,503 72	1,130 94	15,634 66	36,955 sq. feet.				
<i>Carried forward</i>.....	.....	\$7,139,406 09	\$9,356,488 90	\$16,495,894 99	2,325.72 acres.	35.2 miles.	57.29 miles.	8.7 miles.	125.4 acres.

Park Statistics to January 31, 1901.—Concluded.

PARKS.	Year of Taking.	COST TO DATE.		Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction					
<i>Brought forward.</i>.....	.....	\$7,139,406 09	\$9,356,488 90	2,325.72 acres.	35.2 miles.	57.29 miles.	8.7 miles.	125.4 acres.
* CHRISTOPHER GIBSON PLAYG'D...	1897.....	37,709 58	10,042 75	5.8 acres.				
COLUMBUS AVENUE PLAYGROUND.	1899 and 1900	268,756 48	5,922 89	4.8 "				
ASHMONT PLAYGROUND	1899.....	87 18	.....	2.2 "				
* SAVIN HILL PLAYGROUND.....	1899.....	27,147 30	3,036 14	{ 6 acres land } 12.6 " flats }				
* ROSLINDALE PLAYGROUND.....	1899.....	24,825 11	5,597 31	3.7 "				
FOREST HILLS PLAYGROUND.....	1900.....	156 75	.....	10.3 "				
§ ROGERS PARK.....	1899.....	.....	2,000 00	6.9 "				
LAND FOR PLAYGROUNDS, EXECU- TIONS, ETC.....	....	168 79	.....					
General account.....	.....	\$7,498,257 28	\$9,383,087 99					
Park Nursery.....	.....	.....	73,987 50					
Betterment Expenses.....	.....	.....	29,947 07					
	.....	\$7,498,257 28	\$9,500,378 66	2,378.02 acres.	35.2 miles.	57.29 miles.	8.7 miles.	125.4 acres.

* The lands in these parks and playgrounds have been paid for in full.
† An additional area of 16½ acres is within the limits of the town of Brookline.
‡ An additional area of 18 acres is within the limits of the town of Brookline.
§ Transferred by order of the City Council from Public Grounds Department. Original cost of Rogers Park land, \$30,000.
|| Transferred to Street Department.
¶ Custody given to City by Act of Congress.
Of the above total lengths of driveways, walks, and rides, there have been completed to date, respectively, 29.8 miles, 44.65 miles, and 6.2 miles.

APPENDIX.

REPORT OF THE COMMITTEE OF THE MASSACHUSETTS EMERGENCY AND HYGIENE ASSOCIATION IN CHARGE OF THE WOMEN'S AND CHILDREN'S DIVISION AT CHARLESBANK.

BOSTON, January 21, 1901.

To the Board of Park Commissioners:

GENTLEMEN, — In submitting to you our report for the tenth year of our superintendence at Charlesbank, we have but two new features, mentioned below, to emphasize in its management. The regularity of the attendance in the Gymnasium has been most gratifying while the number of those in the playground, in the sand-pens, and in the Lodge has been larger than in the preceding season.

This year we have tried the experiment of allowing eating, which, at first, resulted in daily picnics on the Green. We then restricted eating to the circular-covered seat, fronting the Green, and there it fared well; the children keeping the gravelled path clean in front of the seat. The little ones and their elders seemed to enjoy this new freedom, and after a month submitted readily to cleanliness and order.

We have had eight regular classes in gymnastic work and seven in kindergarten pursuits, while the Rainy Day occupations have been reading, writing, and making of scrap-books and puzzles, for which all the material has been given by friends. The coming of a hurdy gurdy, sent once a week by the kindness of a gentleman, was the great joyful event for a long time. Many gifts of flowers have made other days happy.

According to the arrangement with your Honorable Board, the women's and children's division closed on October first its outdoor work, and in the middle of the same month began its fall and winter classes, four evening classes for women and older girls and two afternoon classes for children, all under the charge of Miss Cutler. In this way we are enabled to watch over our pupils throughout the year by guiding them in their exercise and talking with them about their health. The steam-heating apparatus that has been so generously put into the Lodge warms the whole building and provides hot water for the baths at the close of each session.

During the summer we have had one less assistant than ever before and consequently have not been able to give as much indi-

vidual care to the pupils nor to do as much for special cases sent to us as patients for out-door exercise from the hospitals. This loss in close, personal care we regret, but we also recognize, that with the increasing number of public parks and gymnasiums, we cannot ask for too many privileges for the place which we still wish to be the ideal playground and gymnasium.

Respectfully submitted,

KATE GANNETT WELLS,
ANNA PHILLIPS WILLIAMS,
MABEL DELANO CLAPP,
For the Committee.

STATUTES OF THE COMMONWEALTH RELATING TO PUBLIC PARKS IN THE CITY OF BOSTON.

[Stat. 1900 — Chap. 320.]

AN ACT TO DEFINE THE AUTHORITY OF THE BOARD OF PARK COMMISSIONERS OF THE CITY OF BOSTON AS TO THE CHEST- NUT HILL RESERVOIR GROUNDS.

SECTION 1. The provisions of chapter two hundred and seventy-four of the acts of the year eighteen hundred and ninety-nine shall not be construed as applying to Evergreen Cemetery, nor as giving to the Board of Park Commissioners of the City of Boston the custody, care or control of any lands owned by the City of Boston within the boundaries specified in the first section of said chapter and used for the purposes of a cemetery, nor as giving to said board the power to take for park purposes any such lands now or hereafter used for cemetery purposes.

SECT. 2. This act shall take effect upon its passage.

(Approved, May 16, 1900.)

INDEX TO THE STATUTES RELATING TO PUBLIC
PARKS IN OR NEAR THE CITY OF BOSTON CON-
TAINED OR REFERRED TO IN THE ANNUAL RE-
PORTS OF THE BOARD.

	STATUTE.	CHAPTER.
City of Boston, —		
authorized to erect a sea-wall, and fill cer- tain flats in Charles river, to abate a nuisance. (18th an., p. 68)	1866.	247
* for the laying out of one or more public parks in or near the	1870.	283
† for the laying out of public parks in or near the (18th an., p. 69)	1875.	185
connection of the Arnold Arboretum with the system of parks. (18th an., p. 75.)	1880.	144
construction of an embankment on Charles river, authorized. (18th an., p. 76)	1881.	92
construction of a Charles river promenade authorized. (18th an., p. 78)	1881.	197
public park loan authorized. (18th an., p. 80)	1882.	168
betterments may be assumed in settlement of damages. (18th an., p. 81)	1884.	226
assessments of betterments to bear interest from the 30th day after assessment. (18th an., p. 82)	1884.	237
notice to be given of assessments for better- ments. (18th an., p. 82)	1885.	299
excavations, fillings, and structures in tide- water for Marine Park authorized. (18th an., p. 83)	1885.	360
extension of time for the completion of the Charles river embankment. (18th an., p. 84)	1886.	65
to change line of sea-wall of the Charles river embankment. (18th an., p. 85)	1886.	134
loan of \$2,500,000 for the construction of parks. (18th an., p. 86)	1886.	304
loan of \$400,000 for payment of lands already acquired. (18th an., p. 87)	1887.	312
enlargement of Marine Park authorized. (18th an., p. 88)	1887.	427
refunding of betterments Marine Park. (18th an., p. 89)	1888.	376

* This Act was to take effect when accepted by two-thirds of the legal voters voting thereon at the State election. The vote in favor was 9,233; against, 5,916. The Act consequently was rejected.

† This Act was accepted by a majority of the legal voters voting thereon, June 9, 1875. Yeas 3,706; nays, 2,311.

City of Boston — *Continued.*

	STATUTE.	CHAPTER.
loan of \$600,000 for payment of lands. (18th an., p. 89)	1888.	392
erection of buildings in the parks of Boston. (18th an., p. 90)	1889.	129
further enlargement of Marine Park. (18th an., p. 91)	1889.	438
loan of \$200,000 to procure and construct public parks in Charlestown. (18th an., p. 92)	1890.	271
boundary between Brookline and Boston changed. (18th an., p. 94)	1890.	339
amendment of act relating to Charlestown parks. (18th an., p. 100)	1890.	444
loan of \$3,500,000 for payment of lands and construction. (18th an., p. 101)	1891.	301
extension of Charlesbank. (18th an., p. 102)	1891.	344
authority to take Jamaica and Ward's ponds for park purposes. (18th an., p. 105)	1892.	371
to lay out a parkway across the location of the Providence Div. O. C. R.R. (19th an., p. 91)	1893.	126
amendment of Statute 1891, chapter 301, as to issue of bonds for park purposes. (19th an., p. 92)	1893.	211
playgrounds may be established by cities and towns. (19th an., p. 93)	1893.	225
refunding or abatement of betterments as- sessed for extension of Marine Park (Strandway). (19th an., p. 94)	1893.	258
establishment of park in Wards 6 and 7 (North End). (19th an., p. 95)	1893.	282
streets connecting with or adjoining parks or boulevards may be taken by Park Com- missioners. (19th an., p. 96)	1893.	300
leasing open spaces for gardens and play- grounds. (19th an., p. 98)	1893.	331
amendment of Statute 1893, chapter 300. (19th an., p. 104)	1893.	416
amendment of Statute 1891, chapter 344, authorizing extension of Charlesbank. (19th an., p. 105).	1893.	435
loan of \$1,000,000 for land and construc- tion. (20th an., p. 111)	1894.	396
extension of Arnold Arboretum. (21st an., p. 108)	1895.	45
abatement of betterments, Jamaica Park and Arborway. (21st an., p. 109)	1895.	185
penalty for violation of park regulations. (22nd an., p. 71).	1896.	199

City of Boston — *Continued.*

	STATUTE.	CHAPTER.
extension of time for making excavations, fillings, and structures in tide-waters. (22nd an., p. 71)	1896.	284
building line and height of buildings on parkways, boulevards, and parks. (22nd an., p. 71)	1896.	313
sale of lands on Seaver street, taken for park purposes. (22nd an., p. 72)	1896.	411
loan of \$1,000,000 for land and construction. (22nd an., p. 72)	1896.	453
to rebuild Longwood-avenue bridge. (23rd an., p. 81)	1897.	162
to lease lands or buildings for boat-houses and other purposes. (23rd an., p. 82)	1897.	365
building line and height of buildings on parkways, boulevards, and parks. (23rd an., p. 83)	1897.	379
parkway connecting Franklin Park with Marine Park. (23rd an., p. 83)	1897.	394
abatement of betterments, Dorchesterway. (23rd an., p. 84)	1897.	396
highway around Back Bay Fens. (23rd an., p. 84)	1897.	523
sale of lands in Back Bay Fens taken for park purposes. (24th an., p. 71)	1898.	141
loan of \$500,000 to continue construction of parks. (24th an., p. 71)	1898.	313
loan of \$500,000 for a comprehensive system of playgrounds. (24th an., p. 72)	1898.	412
height of buildings on Copley square. (24th an., p. 72)	1898.	452
streets and lands in neighborhood of parks, parkways, and boulevards. (24th an., p. 73)	1898.	540
custody of Chestnut Hill Reservoir grounds, and loan of \$150,000 for additional land. (25th an., p. 74)	1899.	274
amendment of act to establish a comprehensive system of playgrounds. (25th an., p. 75)	1899.	279
loan of \$500,000 to continue construction of parks. (25th an., p. 75)	1899.	303
that the provisions of chapter 274 of the acts of 1899 shall not apply to Evergreen Cemetery. (26th an., p. 65)	1900.	321
Charles River Improvement Commission established. (18th an., p. 104)	1891.	390
Charles river basin, Harbor and Land Commissioners to inquire into the proposed construction of a dam and lock in (Resolve),	1894.	85

	STATUTE.	CHAPTER.
Metropolitan Park Commission,—		
established. (19th an., p. 98)	1893.	407
with State Board of Health to investigate the sanitary condition of and prepare plan for the improvement of Charles river. (19th an., p. 107)	1893.	475
to submit plans for the improvement of the upper part of Charles river	1894.	529
may construct roadways and boulevards .	1894.	288
may take Revere Beach, including portion of location of Revere Beach & Lynn Rail- road. (20th an., p. 112)	1894.	483
may lay out open spaces along or near Charles river. (20th an., p. 114)	1894.	509
changing limits within which land may be taken in the city of Medford. (21st an., p. 109)	1895.	272
further powers relative to the taking of Revere Beach by. (21st an., p. 111) . .	1895.	305
powers and duties of. (21st an., p. 113) .	1895.	450
to better define authority of. (22nd an., p. 73)	1896.	465
increasing the amount of money to be placed at the disposal of, for general purposes. (22nd an., p. 74)	1896.	466
increasing the amount of money to be placed at the disposal of, for the construction of roadways and boulevards. (22nd an., p. 75)	1896.	472
fixing a limit of time in which lands can be taken by. (22nd an., p. 76)	1896.	550
to further define the authority of	1897.	121
to provide for expenses of	1897.	311
increasing the amount of money to be ex- pended by, for general purposes	1897.	464
increasing the amount of money to be ex- pended by, in the construction of road- ways and boulevards	1897.	521
liability of the Commonwealth on account of defects in streets on lands under the con- trol of	1898.	455
relative to betterment taxes assessed by .	1898.	473
duties of, relative to making rivers and ponds available for purposes of recreation,	1898.	463
increasing the amount of money to be placed at the disposal of	1898.	530
to construct a dam across the Charles river,	1898.	531
to construct a bridge over the Saugus river,	1898.	547
to restore the bath-house at the Revere Beach reservation	1899.	142

Metropolitan Park Commission — *Con.*

	STATUTE.	CHAPTER.
to consider advisability of constructing a boulevard from the Middlesex Fells Parkway to the Charles river	1899.	273
to lay out and construct a shore road in Winthrop, in conjunction with said town, ...	1899.	363
to provide compensation for	1899.	400
increasing the amount of money at the disposal of, for general purposes	1899.	406
to consider the advisability of constructing a boulevard from the town of Dedham to the Stony Brook reservation	1899.	415
Superior Court to appoint Commissioners to determine proportions of expense to be paid by cities and towns	1899.	419
increasing the amount of money at the disposal of, for roadways and boulevards	1899.	428
to take and control Nantasket Beach, and adjacent lands and waters	1899.	464
laying of drains and sewers in or across lands controlled by	1900.	242
may make rules to govern the use of certain rivers, and of ponds and other waters abutting upon lands held for open spaces, appropriation for the care and maintenance of reservations, boulevards and parkways, under the control of	1900.	340
compensation of	1900.	361
may grant locations to street railway companies	1900.	393
appropriation for the care of Nantasket Beach and Charles River reservations, by, ...	1900.	413
custody of certain public ways in the town of Hull, transferred to	1900.	420
to rebuild a bridge over the Neponset river, ...	1900.	421
may acquire certain land in the town of Winchester	1900.	443
to complete a boulevard through the town of Revere, and the cities of Chelsea and Everett, to Crescent Beach	1900.	444
to investigate the flow of the Charles river above the dam at Watertown	1900.	445
to improve the banks of Charles river	1900.	461
to acquire Fuller's wharf, in Brighton, as a part of the Charles River reservation	1900.	465
	1900.	467

MEMBERS OF THE BOARD OF PARK COMMISSIONERS
OF THE CITY OF BOSTON FROM ITS ORGANIZA-
TION, WITH THEIR TERMS OF SERVICE.

T. JEFFERSON COOLIDGE. — Appointed July 8, 1875, for the term ending April 30, 1879. Resigned December 11, 1876.

CHARLES H. DALTON. — Appointed July 8, 1875, for the term ending April 30, 1877. Reappointed in 1877, 1880, and 1883. Resigned May 11, 1885.

WILLIAM GRAY, JR. — Appointed July 8, 1875, for the term ending April 30, 1878. Reappointed in 1878 and 1881, and served until the expiration of his term, April 30, 1884.

CHARLES S. STORROW. — Appointed December 11, 1876, in place of T. Jefferson Coolidge, resigned. Reappointed in 1879, for the term ending April 30, 1882. Resigned May 19, 1879.

HENRY LEE. — Appointed May 19, 1879, in place of Charles S. Storrow, resigned. Reappointed in 1882, and served until the expiration of his term, April 30, 1885.

BENJAMIN DEAN. — Appointed February 24, 1885, to succeed William Gray, Jr., for the term ending April 30, 1887. Reappointed in 1887, and served until June 2, 1890.

PATRICK MAGUIRE. — Appointed February 24, 1885, to succeed Henry Lee, for the term ending April 30, 1888, and served until February 20, 1889.

JOHN F. ANDREW. — Appointed May 11, 1885, in place of Charles H. Dalton, resigned. Reappointed in 1886, and served until May 13, 1889. Appointed July 16, 1894, to succeed Paul H. Kendricken, and served until May 30, 1895.

ISAAC FENNO. — Appointed February 11, 1889, to succeed Patrick Maguire, and served until the expiration of his term, April 30, 1891.

THOMAS L. LIVERMORE. — Appointed May 6, 1889, to succeed John F. Andrew, for the term ending April 30, 1892, and served until April 30, 1893.

FRANCIS A. WALKER. — Appointed May 19, 1890, to succeed Benjamin Dean, for the term ending April 30, 1893. Reappointed and served until the expiration of his term, April 30, 1896.

PAUL H. KENDRICKEN. — Appointed March 30, 1891, to succeed Isaac Fenno, for the term ending April 30, 1894, and served until July 30, 1894.

CHARLES F. SPRAGUE. — Appointed April 17, 1893, to succeed Thomas L. Livermore, for the term ending April 30, 1895. Resigned January 14, 1895.

EDWARD C. HODGES. — Appointed January 14, 1895, in place of Charles F. Sprague, resigned; also for the term ending April 30, 1898. Resigned August 23, 1897.

LABAN PRATT. — Appointed June 10, 1895, for the term ending April 30, 1897, to fill the vacancy caused by the death of John F. Andrew. Reappointed in 1897, for the term ending April 30, 1900. Reappointed in 1900, for the term ending April 30, 1903.

CHARLES E. STRATTON. — Appointed April 27, 1896, to succeed Francis A. Walker, for the term ending April 30, 1899. Reappointed in 1899, for the term ending April 30, 1902.

JOHN T. WHEELWRIGHT. — Appointed by the Mayor August 23, 1897, to serve temporarily in place of Edward C. Hodges, resigned; and served until September 16, 1898.

JAMES M. PRENDERGAST. — Appointed May 8, 1899, for the term ending April 30, 1901.

PROPERTY BELONGING TO THE PARK
DEPARTMENT.

[For List of Parks and Playgrounds, see page 61.]

BRIDGES.

Agassiz Bridge, Fens.
Boylston Bridge, Fens.
Charlesgate Bridge, Fens.
Commonwealth Avenue Bridge, Fens.
Fen Bridge, Fens.
Stony Brook Bridge, Fens.
Audubon Bridge, Riverway.
Bridle-path Bridge, Riverway.
Chapel Arch, Riverway.
*Chapel Bridge, Riverway.
*Longwood Bridge, Riverway.
*Bellevue Bridge, Riverway.
*Brookline Avenue Bridge, Riverway.
*Tremont Street Bridge, Riverway.
*Foot-bridges, Olmsted Park.
Railroad Viaduct, Forest Hills, Arborway.
Stony Brook Bridge, Arborway.
Forest Hills Bridge, Franklin Park.
Ellicott Arch, Franklin Park.
Overlook Arch, Franklin Park.
Scarboro' Bridge, Franklin Park.
Scarboro' Pond Foot-bridge, Franklin Park.
Castle Island Bridge, Marine Park.
Neptune Bridge, Wood Island Park.
Foot-bridge, Wood Island Park.

BUILDINGS.

Stony Brook Gate-house, Fens.
Muddy River Gate-house, Riverway.
Administration Building, Stable and Sheds, Riverway.
Open Shelter, Riverway.
Pine Bank House and Sheds, Olmsted Park.
The Overlook Shelter, Franklin Park.
Refectory and Carriage Sheds, Franklin Park.
Ellicott House, Ellicottdale, Franklin Park.

* The Department constructed and maintains the parts of these bridges within the City limits.

Shelter and Arbor, Schoolmaster's Hill, Franklin Park.
Carriage Shelter, Columbia Road Entrance, Franklin Park.
Propagating House, Stable, Repair Shops and Sheds, Franklin Park.
Dwelling-house, Franklin Park.
Temporary Shelters and Sanitary Buildings, Franklin Park.
Head-house, Marine Park.
Public Landing, Strandway.
Temporary Sanitary Buildings, Castle Island.
Field House, Wood Island Park.
Bath-houses, Wood Island Park.
Men's Locker and Lavatory Building, Charlesbank.
Women's Lavatory Building, Charlesbank.
Shelter, Charlestown Heights.
Shelter and Sanitary Buildings, Dorchester Park.
Sheep-fold and dwelling, Franklin Field.
Temporary Sanitary Buildings, Franklin Field.
Administration Building and Bath-houses, North End Beach.
Dwelling-house, Chestnut Hill Park.
Locker and Lavatory Building, Christopher Gibson Playground.
Stable and Dwelling, West Roxbury Parkway.

STATUES AND FOUNTAINS.

Alexander Hamilton, Commonwealth avenue.
General John Glover, Commonwealth avenue.
William Lloyd Garrison, Commonwealth avenue.
Leif Ericson, Commonwealth avenue.
John Boyle O'Reilly, Back Bay Fens.
Admiral Farragut, Marine Park.
Fountain on the terrace at Pine Bank, Olmsted Park.
Seventeen Drinking Fountains.

LIVE STOCK, MACHINERY, TOOLS, AND IM- PLEMENTS.

79 Axes.	13 Grindstones.
5 Blacksmith tools, sets.	14 Geese (wild).
74 Bars, assorted iron.	69 Hammers.
29 Bars } parallel, movable,	200 Hammers (stone).
} horizontal, vaulting.	22 Harrows.
4 Buggies.	1 Hay-kicker.
191 Bells (dumb), pairs.	24½ Hay, tons.
51 Baskets.	432 Hoes.
135 Benches.	3,200 Hose, feet.
60 Blocks.	39 Horses.
6 Boats (with oars).	51 Halters.
43 Boots (rubber), pairs.	6 Head-lights.
42 Bags (feed).	10 Hods (brick).
146 Brooms.	19 Ice Planers.
12 Bicycles.	81 Indian clubs, pairs.
26 Blankets (stable).	46 Jacks (hoisting).
44 Blankets (street).	68 Ladders.
7 Boilers (tubular hot water).	2 Lawn-rollers (steam).
48 Chest-weights, sets.	57 Lawn-mowers.
9 Carts (double).	199 Lanterns.
7 Carts (single).	5 Mowing-machines.
5 Carts (hand).	108 Mattocks.
21 Clocks.	1 Machine-shop fittings, lot.
5 Clocks (watchman's).	1,380 Oats, bushels.
126 Chairs.	2 Planimeters.
66 Coal, tons.	211 Pails.
90 Coats (uniform).	298 Picks.
2 Crushers (stone).	460 Pipe (drain), feet.
18 Cultivators.	2 Pungs.
1 Chaise (two-wheels).	784 Pipe (wrought iron), feet.
10 Catch-basin frames.	36 Ploughs.
5 Copying presses.	14 Pumps.
144 Caps (uniform).	77 Pants (uniform).
403 Chain, feet.	414 Pigeons.
6 Cases (plan).	4 Quoits, sets.
3 Cases (book).	13 Robes (fur and light).
5 Derricks.	2 Root-pullers.
30 Desks.	5 Rods (reading and transit).
6 Dies, sets.	2 Rakes (horse).
10 Drags.	248 Rakes (garden).
57 Dung-forks.	11 Road-rollers (two-horse).
92 Ducks.	2 Road-rollers (one-horse).
50 Drills.	2 Road-rollers (steam).
3 Dynamos.	8 Rollers (garden).
4 Engines.	5 Rollers (stone).
1 Electric battery.	55 Scoops (iron).
5 Filing cabinets.	36 Scoops (snow).
20 Fire extinguishers.	153 Shirts (uniform).
9 Forges.	766 Shovels.
68 Forks (digging).	18 Snow-ploughs.
35 Forks (hay).	219 Spades.
22 Flags.	2 Steam-drillers.
83 Grain, bushels.	48 Steel bars.
5 Giant-strides (gymnasium).	4 Stone tools, lots.

45 Scrapers.	6 Sets harness (driving).
5 Sleds.	1 Typewriter.
4 Sleighs.	15 Tapes (measuring).
3 Seed-sowers.	18 Tables.
49 Stoves.	30 Tool-boxes.
25 Shanties.	1 Taps, set.
13 Swings.	1 Tar-boiler.
5 Sprayers (on wheels).	1 Transit.
2 Safes.	2 Tables (drawing).
9 Scales (weighing).	8 Trapezes (gymnasium).
74 Saws.	119 Wheelbarrows.
1,385 Settees.	125 Wrenches.
109 Scythes.	18 Water-carts (double).
198 Sheep.	2 Water-carts (single).
53 Straw hats (uniform).	3 Wagons (utility, double).
13 Snow-shovels.	8 Wagons (utility, single).
12 Sets harness (working double).	1 Wagon (caravan).
8 Sets lead harness.	5 Wagons (road).
9 Sets harness (working single).	2 Wagons (stone).
5 Sets express harness.	2 Wagons (tool).
3 Sets cultivator harness.	1 Wagon (messenger).
	1 Wagon (foreman's).

NURSERY STOCK.

TREES.

No.	Botanical Name.	Common Name.	Size.
1,000	<i>Acer, dasycarpum</i>	Silver maple.....	2 to 4 feet.
205	“ <i>platanoides</i>	Norway maple	8 to 15 feet.
81	“ <i>saccharinum</i>	Sugar maple	12 to 15 feet.
425	“ <i>spicatum</i>	Mountain maple	3 feet.
313	<i>Betula, lenta</i>	Black birch.....	3 to 4 feet.
900	“ <i>nigra</i>	River “	3 to 4 feet.
116	<i>Celtis, occidentalis</i>	Nettle tree.....	3 to 4 feet.
275	<i>Cladrastis, tinctoria</i>	Yellow wood.	3 to 5 feet.
450	<i>Chionanthus, virginica</i>	Fringe tree.....	1 to 4 feet.
1,075	<i>Fagus, sylvatica</i>	European beech.....	2 to 5 feet.
416	“ <i>americana</i>	American “	3 to 7 feet.
20	<i>Foësteria, acuminata</i>.....	.....	3 to 6 feet.
1,000	<i>Fraxinus, americana</i>	American white ash	1 year.
50	<i>Gleditschia, triacanthos</i>	Honey locust.....	4 to 8 feet.
240	<i>Gymnocladus, canadensis</i>	Kentucky coffee tree....	2 to 8 feet.
300	<i>Halesia, tetraptera</i>	Snowdrop tree.....	2 to 3 feet.
1,025	<i>Hicoria, minima</i>	Butternut	1 to 2 feet.
1,108	<i>Liriodendron, tulipifera</i>	Tulip tree.....	2 to 5 feet .
250	<i>Oxydendrum, arboreum</i>	Sorrel tree.....	2 to 3 feet.
50	<i>Platanus, orientalis</i>	Buttonwood.....	7 to 10 feet.
125	<i>Prunus americana</i>	Red plum	2 feet.
148	<i>Phellodendron, amurense</i> .....	.....	3 to 4 feet.
98	<i>Quercus bicolor</i>	Swamp white oak.....	2½ to 3½ feet.
2,000	“ <i>tinctoria</i>	“ black “	6 to 12 inches.
200	“ <i>macrocarpa</i>	Mossy cup “	2 to 4 feet.
300	“ <i>coccinea</i>	Scarlet oak.....	3 to 5 feet.
6,000	“ <i>coccinea</i>	Scarlet “	1 to 1½ feet.
25	“ <i>cerris</i>	Turkish “	2 to 4 feet.
25,000	“ <i>alba</i>	White “	1 year old.
5,000	“ <i>alba</i>	White “	6 to 15 inches.
35,000	“ <i>rubra</i>	Red “	1 year old.
15,000	“ <i>coccinea</i>	Scarlet “	1 year old.
6,900	“ <i>rubra</i>	Red “	1 to 2 feet.

TREES. — *Concluded.*

No.	Botanical Name.	Common Name.	Size.
700	Quercus mixed.....	.....	1 to 3 feet.
300	“ phellos.....	Willow oak.....	2 to 3 feet.
6,000	“ prinos.....	Chestnut “.....	6 to 18 inches.
1,045	Salisburia adiantifolia.....	Gingko tree.....	2 to 10 feet.
50	Sassafras officinalis.....	Sassafras.....	3 to 5 feet.
150	Salix cerulea.....	Willow... ..	10 to 15 feet.
25	Sophora japonica.....	.....	3 feet.
550	Tilia europæa.....	European linden.....	4 to 6 feet.
509	“ americana.....	American “.....	8 feet.
100	Taxus americana.....	Yew	1 to 2 feet.
75	Ulmus campestris.....	English elm.....	2 to 5 feet.

EVERGREENS.

No.	Botanical Name.	Common Name.	Size.
500	Abies in variety	Spruce	1 to 2 feet.
100	“ douglasii.....	Douglass spruce	1 to 2 feet.
200	“ excelsa.....	Norway “.....	1 to 2 feet.
415	Juniperus in variety.....	Juniper “.....	
100	Pinus montana	Mountain pine.....	12 to 18 inches.
1,250	“ strobus.....	White “.....	1 to 2½ feet.
100	“ rigida	Pitch “.....	2 to 5 feet.
50	“ excelsa	Bhotan “.....	1 to 2 feet.
100	“ austriaca.....	Austrian “.....	2 to 3 feet.
1,180	Tsuga canadensis.....	Hemlock	2 to 4 feet.

SHRUBS.

No.	Botanical Name.	Common Name.	Size.
200	<i>Amelanchier, canadensis</i>	Juneberry	3 to 4 feet.
100	<i>Andromeda, ligustrina</i> .....	.....	10 inches.
275	<i>Azalea, viscosum</i>	Swamp azalea	2 feet.
250	“ <i>calendulacea</i>	Flame-colored azalea....	
400	“ <i>vaseyii</i>.....	.....	2 to 3 feet.
1,000	<i>Berberis thunbergii</i>	Barberry.....	Seedlings, 1 year.
1,511	“ <i>thunbergii</i>	“	12 to 15 inches.
400	“ <i>thunbergii</i>	“	1 to 1½ feet.
1,200	“ <i>vulgaris</i>	“	Seedlings, 1 year.
809	“ <i>vulgaris</i>	“	2 feet.
875	<i>Benzoin benzoin</i>	Spice bush	1½ feet.
200	<i>Ceanothus americanus</i>	Jersey tea.....	2 feet.
140	<i>Cephalanthus occidentalis</i>	Button bush.....	2 to 3 feet.
225	<i>Cercis canadensis</i>	Judas tree	4 to 6 feet.
250	<i>Clethra acuminata</i>	Pepper bush	3 feet.
250	“ <i>alnifolia</i>	“ “	2 to 3 feet.
150	<i>Cornus alternifolia</i>	Dogwood	2 to 3 feet.
361	“ <i>mascula</i>	Cornelian cherry	1 to 2 feet.
925	“ <i>paniculata</i>	Panicked cornel.....	2 to 3 feet.
300	“ <i>in variety</i>	Dogwood	1 to 3 feet.
300	<i>Crataegus coccinea</i>	Thorn apple.....	2 to 4 feet.
250	<i>Crataegus punctata</i>	Thorn	2 to 3 feet.
60	“ <i>cordata</i>	Washington thorn	2 to 3 feet.
1,902	“ <i>crus galli</i>	Cockspur thorn.....	1 to 3 feet.
56	“ <i>pyracantha</i>	Evergreen thorn.....	2 feet.
675	“ <i>oxyacantha</i>	English hawthorn	2 to 5 feet.
154	<i>Cotoneaster in variety</i>.....	.....	2 to 3 feet.
240	<i>Cydonia japonica</i>	Japan quince.....	2½ to 3 feet.
30	<i>Elæagnus longipipes</i>	Oleaster.....	
50	<i>Enonymus americana</i>	Strawberry bush.....	1 to 2 feet.
100	“ <i>nanus</i>.....	.....	1 foot.
100	“ <i>europæus</i>	Spindle tree.....	3 to 4 feet.
2,000	“ <i>bungeana</i> .....	.....	2 to 3 feet.
465	<i>Hydrangea in variety</i>	Hydrangeas	3 feet.

SHRUBS.— *Concluded.*

No.	Botanical Name.	Common Name.	Size.
827	<i>Hamamelis virginica</i>	Witch hazel.....	Seedlings, 2 years old.
500	“ “	“ “	3 feet.
360	<i>Ilex verticillata</i>	Black alder	2 to 3 feet.
25	<i>Ligustrum media</i>	Privet.....	2 feet.
1,200	“ <i>ibota</i>	“	3 feet.
1,844	“ <i>vulgaris</i>	“	2 to 2½ feet.
2,000	<i>Lonicera</i> in variety.....	Bush honeysuckle	2 feet.
628	<i>Myrica cerifera</i>	Bayberry	1 foot.
100	<i>Photinia villosa</i>.....	.....	2 feet.
600	<i>Pyrus nigra</i>.....	.....	2 to 3 feet.
25	“ <i>arbutifolia</i>	Chokeberry	2 to 3 feet.
135	<i>Prunus maritima</i>	Beach plum.....	2 feet.
150	<i>Ptelia trifoliata</i>	Hop tree	4 to 5 feet.
150	<i>Philadelphus mixed</i>	Mock orange	5 feet.
148	<i>Phellodendron amurense</i>.....	.....	3 to 4 feet.
2,400	<i>Rhodotypus kerrioides</i> .....	.....	2 to 3 feet.
2,091	<i>Rhamnus catharticus</i>	Buckthorn	2 to 4 feet.
100	“ <i>crenata</i> .....	.....	2 to 3 feet.
1,000	<i>Rhus aromatica</i>	Aromatic Sumac.....	3 years old.
1,569	<i>Rosa</i> in variety	Roses	
150	<i>Stephanandra flexuosa</i>.....	.....	3 feet.
250	<i>Syringa</i> in variety	Lilacs	2 to 3 feet.
24	<i>Virburnum acerifolium</i>	Dockmackie.....	3 to 4 feet.
651	“ <i>lentago</i>	Sheepberry	1 to 3 feet.
837	“ <i>molle</i> .....	.....	1 to 2 feet.
1,569	“ <i>opulus</i>	Cranberry bush.....	1 to 1½ feet.
18	“ <i>tomentosum</i>	Japanese viburnum	8 to 12 inches.
906	“ <i>cassinoides</i>	Withe rod.....	1 to 2 feet.
300	“ <i>dentatum</i>	Arrowwood.....	2 feet.
75	“ <i>lantana</i>	English wayfaring tree..	2 feet.
500	“ <i>nudum</i>	Naked viburnum	3 to 4 feet.
300	“ <i>prunifolium</i>	Black haw	2 to 3 feet.

SHRUBS.—*Concluded.*

No.	Botanical Name.	Common Name.	Size.
827	<i>Hammamelis virginica</i>	Witch hazel.....	Seedlings, 2 years old.
500	“ “	“ “	3 feet.
360	<i>Ilex verticillata</i>	Black alder	2 to 3 feet.
25	<i>Ligustrum media</i>	Privet.....	2 feet.
1,200	“ <i>ibota</i>	“	3 feet.
1,844	“ <i>vulgaris</i>	“	2 to 2½ feet.
2,000	<i>Lonicera</i> in variety.....	Bush honeysuckle	2 feet.
628	<i>Myrica cerifera</i>	Bayberry	1 foot.
100	<i>Photinia villosa</i>.....	.....	2 feet.
600	<i>Pyrus nigra</i>.....	.....	2 to 3 feet.
25	“ <i>arbutifolia</i>	Chokeberry	2 to 3 feet.
135	<i>Prunus maritima</i>	Beach plum.....	2 feet. *
150	<i>Ptelia trifoliata</i>	Hop tree	4 to 5 feet.
150	<i>Philadelphus mixed</i>	Mock orange	5 feet.
148	<i>Phellodendron amurense</i>.....	.....	3 to 4 feet.
2,400	<i>Rhodotypus kerrioides</i> .....	.....	2 to 3 feet.
2,091	<i>Rhamnus catharticus</i>	Buckthorn	2 to 4 feet.
100	“ <i>crenata</i> .....	.....	2 to 3 feet.
1,000	<i>Rhus aromatica</i>	Aromatic Sumac.....	3 years old.
1,569	<i>Rosa</i> in variety	Roses	
150	<i>Stephanandra flexuosa</i>.....	.....	3 feet.
250	<i>Syringa</i> in variety	Lilacs	2 to 3 feet.
24	<i>Virburnum acerifolium</i>	Dockmackie.....	3 to 4 feet.
651	“ <i>lentago</i>	Sheepberry	1 to 3 feet.
837	“ <i>molle</i> .....	.....	1 to 2 feet.
1,569	“ <i>opulus</i>	Cranberry bush.....	1 to 1½ feet.
18	“ <i>tomentosum</i>	Japanese viburnum	8 to 12 inches.
906	“ <i>cassinoides</i>	Withe rod.....	1 to 2 feet.
300	“ <i>dentatum</i>	Arrowwood.....	2 feet.
75	“ <i>lantana</i>	English wayfaring tree..	2 feet.
500	“ <i>nudum</i>	Naked viburnum	3 to 4 feet.
300	“ <i>prunifolium</i>	Black haw	2 to 3 feet.

CREEPERS AND CLIMBERS.

No.	Botanical Name.	Common Name.	Size.
35	Akebia quinnata.....	.....	3 to 4 feet.
600	Ampelopsis quinquefolia	Virginia creeper.....	3 feet.
75	Aristolochia sipho	Pipe vine	3 to 4 feet.
300	Celastrus paniculata.....	Bitter sweet.....	2 feet.
1,179	“ scandens .....	.....	5 to 6 feet.
300	Hedera helix.....	English ivy	4 years old.
1,000	Lycium chinense.....	Matrimony vine	3 feet.
300	Vitis heterophylla	Variegated grapevine ...	2 years old.
90	Wisteria alba	Wistaria	2 to 3 feet.
120	“ chinensis	“	2 to 3 feet.

Total Number of Park Department Employés.

	FEBRUARY 1, 1900.		JANUARY 31, 1901.	
	No.	Rate of Pay.	No.	Rate of Pay.
Accountant . . .	1	at \$2,250 00 per annum.	1	at \$2,250 00 per annum.
Blacksmith.....	1	" 3 00 per day.		
Blacksmith's assistant.....			1	" 2 25 per day.
Boys	31	at 1 00 per day.	28	" 1 00 " "
Carpenters.....	4	{ 1 " 2 50 " " 3 " 2 75 " "	4	{ 1 " 2 50 " " 3 " 2 75 " "
Clerks	4	{ 1 " 1,200 00 per annum. 1 " 468 00 " " 2 " 3 50 per day.	5	{ 1 " 1,200 00 per annum. 1 " 468 00 " " 1 " 3 50 per day. 2 " 1 50 " "
Draughtsman ...	1	" 2 50 " "		
Engineer, Civil..	1	" 6 50 " "	1	" 6 50 " "
Engineer, Mechanical....	1	" 3 50 " "	1	" 3 50 " "
Engineers, Steam-roller...	4	{ 1 " 2 75 " " 3 " 2 50 " "	3	{ 1 " 2 75 " " 2 " 2 50 " "
Firemen.....	1	" 2 25 " "	2	" 2 25 " "
Foreman, General	1	" 5 00 " "	1	" 5 00 " "
Foremen	3	{ 1 " 4 50 " " 2 " 5 00 " "	2	{ 1 " 4 50 " " 1 " 5 00 " "
Foremen, Stable,	2	{ 1 " 55 00 per month. 1 " 40 00 " "	2	" 55 00 per month.
Foremen, Sub...	9	" 3 25 per day.	8	" 3 25 per day.
Gardeners.....	9	{ 6 " 2 75 " " 3 " 2 25 " "	7	{ 6 " 2 75 " " 1 " 2 25 " "
Horseshoer	1	" 2 75 " "	1	" 3 00 " "
Inspector.....	1	" 5 00 " "		
Instructors, Gymnasium...	2	{ 1 " 1,200 00 per annum. 1 " 1,000 00 per semi-annum.	2	{ 1 " 1,200 00 per annum. 1 " 1,000 00 per semi-annum.
Instructress, Gymnasium...	1	{ " 80 00 per month, summer. " 60 00 " " winter.	1	{ " 80 00 per month, summer. " 60 00 " " winter.
Instructress, Gymnasium Assistants.....	2	{ 1 " 60 00 " " summer. 1 " 2 50 per class, summer.	2	{ 1 " 60 00 " " summer. 1 " 2 50 per class, summer.
Carried forw'd,	80		72	

Total Number of Park Department Employés. — *Concluded.*

	FEBRUARY 1, 1900.		JANUARY 31, 1901.	
	No.	Rate of Pay.	No.	Rate of Pay.
<i>Brought forw'd,</i>	80	.....	72	
Janitors.....	4	at \$2 50 per day.	4	at \$2 50 per day.
Laborers.....	302	" 2 00 " "	236	" 2 00 " "
Machinist's Helper.....	1	" 2 25 " "	1	" 2 25 " "
Mason.....	1	" 2 50 " "	1	" 2 50 " "
Matrons.....	5	" 1 50 " "	5	" 1 50 " "
Messengers.....	4	{ 3 " 1 50 " " 1 " 1 00 " "	1	" 1 00 " "
Painter.....	1	" 2 50 " "	1	" 2 50 " "
Planter.....	1	" 1,200 00 per annum.		
Plumber.....	1	" 3 00 per day.	1	" 3 00 " "
Rodman.....	1	" 2 00 " "		
Secretary.....	1	" 3,000 00 per annum.	1	" 3,000 00 per annum.
Shepherd.....	1	" 14 00 per week.	1	" 14 00 per week.
Stenographer ...	1	" 720 00 per annum.	1	" 720 00 per annum.
Superintendent of Parks.....	1	" 3,600 00 " "	1	" 3,600 00 " "
Superintendent, Assistant.....	.....	.....	1	" 1,200 00 " "
Teamsters.....	17	at 55 00 per month.	19	" 55 00 per month.
Transitmen	4	" 3 50 per day.	2	" 3 50 per day.
Tree-pruner			1	" 2 25 " "
Watchmen	3	{ 2 at 2 50 per day. 1 " 2 75 " "	2	{ 1 " 2 50 " " 1 " 2 75 " "
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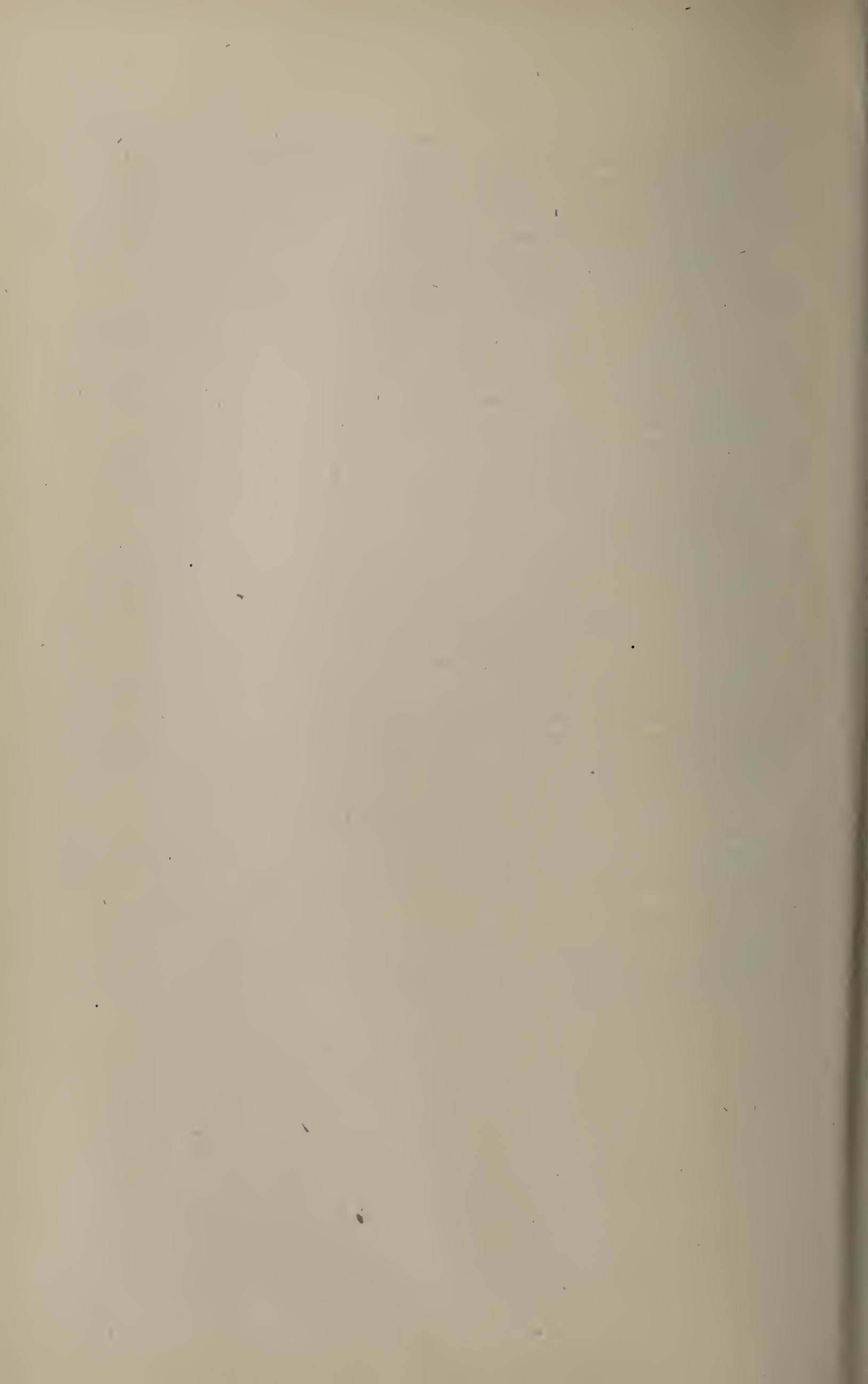
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REPORT
OF THE
PAUPER INSTITUTIONS TRUSTEES
FOR THE YEAR 1900-1901.

OFFICE OF THE PAUPER INSTITUTIONS TRUSTEES
OF THE CITY OF BOSTON, 28 COURT SQUARE, BOSTON, MASS.,
January 31, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — The Pauper Institutions Trustees herewith present their report for the financial year ending January 31, 1901.

Organization. — This Department remained constituted as previously reported, until the retirement of Mr. William L. Rutan at the expiration of his term of office, on May 1, 1900, when Mr. Arthur G. Everett was appointed to fill the vacancy.

On the first Monday of May the Board organized for the ensuing year by the election of Mrs. Alice N. Lincoln as Chairman, and Mr. Walter Hunnewell as Secretary.

Changes in the Staff at the Almshouse and Hospital, Long Island. — On May 1, 1900, Dr. Arthur S. Hartwell, who had filled the position of second medical officer since July, 1899, was appointed first medical officer of the Hospital, at a salary of twelve hundred dollars per year, to fill the vacancy caused by the resignation of Dr. Albert A. Taft.

In September, 1900, on the resignation of the Superintendent, Mr. Arthur T. Hopkins, who had decided to re-enter professional life, the Trustees appointed to the office of Superintendent and Resident Physician, Dr. Archibald J. Ranney, the appointment to date from December 1, 1900. Dr. Ranney resigned the position of Assistant Superintendent of the State Hospital at Tewksbury to take the position thus offered. His service at Tewksbury had covered seven years, during five of which he had served as Assistant Superintendent under the present Superintendent, Dr. J. H. Nichols.

Dr. Ranney promoted the first medical officer of the Almshouse and Hospital at Long Island, Dr. Arthur S. Hartwell, to the position of Assistant Superintendent and Physician, at a salary of fifteen hundred dollars.

Finances. — Of the amount expended by this Department during the year, \$117,539.82 was spent on account of the Almshouse and Hospital at Long Island; \$13,254.19 on account of the Almshouse for Women and Aged Couples at Charlestown; \$4,567.58 on account of the expense of the central office; \$1,203.75 for support of paupers in institutions outside of the City of Boston; \$8,602.93 on account of the steamer "John Howard;" \$5,579.75 on account of the salt-water fire system; \$21,908.50 on account of new power-house and equipment, and \$14.04 on account of improvements in the barn.

The collections during the year amount in all to \$6,644.30, the Almshouse and Hospital on Long Island being credited with \$6,072.87, and the Almshouse for Women and Aged Couples at Charlestown with \$571.43.

The weekly per capita cost of maintenance at the Long Island Almshouse and Hospital was \$3.47, being an increase of 70 cents per week over last year.

The weekly per capita cost of maintenance at the Charlestown Almshouse was \$2.62, being a decrease of 9 cents per week from last year.

The increased per capita cost of maintenance at the Almshouse at Long Island is due in part to the development of the Hospital, and also to the exclusion of the able-bodied "Rounder" element, necessitating a larger number of paid employees. Decrease in the population of an almshouse cannot be accompanied by a corresponding decrease in administrative expenses, and the per capita cost of maintenance, therefore, based on the total expenditure of the year, rises with the fall in population.

In the annual report of last year it was stated that as the Long Island Hospital is the only hospital maintained by the

City for the treatment of chronic and incurable diseases, its standard of efficiency should be raised to the proper level of such a hospital, even at a necessarily increased expenditure. The necessity for this better service was met by the City Council by an appropriation larger than that of former years. The year closed with an unexpended balance of this appropriation of \$2,279.73.

It is the desire of the Trustees and the Superintendent that the accounts of the Almshouse and the Hospital should be kept separately, and from February 1, 1901, the expenses of the institution will be classified and charged to their respective departments. Thus, the exact per capita cost in the Almshouse and the Hospital may be computed independently.

Improvements. — During the summer the old power-plant at Long Island was abandoned, the boilers being transferred to the new power-house. By the addition of two new boilers and a large increase in the radiating surface, all the buildings are now adequately heated. The laundry and bakery have also been removed to the new power-house.

The salt-water fire system is now completed, and is found to be in good working condition.

A new and abundant supply of hose has been furnished for the steamer "John Howard."

At the regular meeting of June 4, 1900, a letter was received from the visiting medical staff, containing a copy of the following resolution:

"*Resolved*, That, in the opinion of the visiting staff, the service of the (Long Island) Hospital would be greatly improved and the general interest in medical work increased by the establishment of a clinical pathological laboratory. Such a laboratory should be directed by a trained pathologist, who should receive compensation for his work. The compensation may be placed at \$500 per annum, and the pathologist should make a daily visit, giving the necessary time to the work."

In accordance with the suggestion contained in this letter, a vote was passed empowering the Superintendent to fit up a room at the Long Island Hospital for pathological work, at an expense not exceeding \$100, and later Dr. George Burgess McGrath was appointed to the position of pathologist, at a salary of \$500 per annum, the appointment to date from September 15, 1900.

In July last a change was made by which the first-floor wards in the Women's Building were established as infirmary wards, and a matron who had had experience in illness was

placed in charge of them. This provides more skilled care than heretofore for the infirm and feeble old women. Some of these women have their meals brought to them, instead of going into the dining-room, and the intention is to provide certain comforts in these wards that cannot wisely be provided in all. This plan made necessary the employment of one more matron. The staff of the Women's Building now consists of five day-matrons, and one night-matron.

In the early summer there was built near the Hospital a small detached house of one room, for a little girl of ten years of age, suffering from cancer of the face. Through the free circulation of sweet, fresh air, the distress of the child was lessened during the last months of her life, and the very difficult and trying work of nursing her was made easier to the nurses. It is now proposed to use this house for tuberculous patients, placing only two there at any one time.

It was expected that it would be possible, during the summer, to build a cattle tie-up at Long Island. As it is important to secure the healthiest conditions for the herd of cows, the Trustees voted to employ the services of Mr. Edward Burnett as expert, to choose the best location, and to examine the plans made by the Architectural Division of the Engineering Department. Mr. Burnett consulted with that Department, but the plans furnished called for a larger expenditure than the appropriation would warrant. It is hoped that, with some modification, these plans may be utilized later.

New Construction to be Undertaken under the Loan Appropriation of December, 1900.—In the estimate for loans needed by this Department and submitted to your Honor in February, 1900, there were included, beside other items, estimates for a new wing for the Hospital, and a Nurses' Home, liberal appropriations for both of which were granted by the City Government on January 5, 1901.

The overcrowded condition of the male wards of the Hospital occasions anxiety to the Trustees and to the Visiting and Resident Medical Staffs, and is the cause of suffering and discomfort to patients and nurses. In these overcrowded wards there cannot be the proper number of cubic feet of air per patient. The beds are necessarily put more closely together than the spacing of the windows properly permits, and patients are often exposed to a direct draught.

In the report for 1899, the Trustees stated their reasons for asking for an appropriation for a Nurses' Home, and they

believe the action of the City in granting it will be fully justified by insuring healthier and happier lives for the nurses.*

Training School for Nurses. — On Monday, June 11, a class of seven nurses graduated from the Training School of the Long Island Hospital. The graduating exercises were held in the Chapel, which was tastefully decorated for the occasion. Brief addresses were made by the Chairman of the Board, Dr. E. W. Taylor, and Dr. Paul Thorndike of the Visiting Medical Staff, and Mr. John E. Gilman of the Institutions Registration Department. A number of former graduates of the Hospital were present, and music was thoughtfully provided by a member of the graduating class.

Teaching for the Blind. — The Superintendent (Mr. Arthur T. Hopkins) arranged for special teaching of the few blind persons in the Almshouse at Long Island by Mr. H. Prescott of Melbourne, Australia, who offered his services as teacher. During the summer he went weekly to Long Island to give lessons. The teaching begun by Mr. Prescott is now carried on at Long Island and Charlestown as a part of the plan of teaching established by the Perkins Institution for the Blind.

The Incoming Population. — The tables in the appendix, indicating status and condition of persons admitted during the year to the Almshouses at Long Island and Charlestown, do not vary much from those of last year :

32 per cent. of the men admitted were over 55 years of age.

48 per cent. of the women admitted were over 55 years of age.

44 per cent. of the men admitted were *single and under 55 years of age*.

12 per cent. of the women admitted were *single and under 55 years of age*.

25 per cent. of the men admitted were widowers.

40 per cent. of the women admitted were widows.

63 per cent. of all admitted went at once into the Hospital.

16 per cent. of the whole number admitted died during the year.

* "It is a generally accepted fact that, when possible, nurses should be housed apart from the Hospital, not only in the interest of their own health, but also in the interest of good nursing. To be a good nurse, mind and body should be kept at a high level of health, and this is promoted by a separate home, apart from hospital sights, sounds and atmosphere. The patience, fortitude and endurance required for the day-by-day care of these helpless bed-ridden patients is very great, . . .

"The details of this nursing are exhausting. The paralyzed patients require much lifting, and some of them need constant attention. The number of phthisical patients and of those suffering from specific disease adds a risk of contagion, only to be averted by unremitting care on the part of the nurses.

"All this should be offset for our nurses by fortifying them, so far as possible, by thorough rest when off duty, and by ensuring them nourishing and varied food, and in every possible way giving them a happy atmosphere in which to work."

Of the 294 men admitted, 58 per cent. entered the Almshouse for the first time, of whom 76 per cent. went at once to the Hospital.

Of the 353 women admitted, 59 per cent. entered the Almshouse for the first time, of whom 79 per cent. went at once to the Hospital.

71 per cent. of the men admitted were recorded as of intemperate habits.

41 per cent. of the women admitted were recorded as of intemperate habits.

65 per cent. of all admitted were suffering from chronic illness, or were enfeebled by old age.

45 per cent. of the whole number of men and women admitted have been previously reached, in one way or another, by public relief; either their parents have been aided by the Overseers of the Poor, or were in almshouses, or they themselves have previously been in receipt of public relief, or were aided as minors, or their children are or have been so aided.

Representing pauperism in the second and third generation, there were admitted during the year 49 men and 20 women whose parents had received out-door relief, or had been inmates of the Almshouse. Twenty-three of these persons are now over 40 years of age, and 13 of the 23 have been married. So far as our records go, 20 living children represent, in the third generation, these 23 persons of the second generation in receipt of public relief and their 13 wives and husbands. Allowance must be made for misstatements: unquestionably some persons who have been married are recorded on their own statement as single, while others, who have had children, are recorded as childless.

Such statistics as the foregoing have their importance, and it is very necessary to gather as many facts as can be learned about each individual, but they cannot possibly give the story of a human life. If we could know the whole history of each person entering the Almshouse, the summary of all would in one way be less sad, for many of the histories which can be traced back to childhood or early life show such unfavorable conditions that the subsequent failure of physical health, often involving the deterioration of mental or moral character, is largely accounted for, and we see the survival, under disheartening conditions and many sorrows, of sweet and fine traits of human character.*

*Nothing, for instance, could well sound more forlorn than such recorded data as the following: A husband, who had been in the House of Correction both for intemperance and for assault on his wife; a wife, also intemperate and who had been

Beside those with records of intemperance and pauperism, there are admitted each year into the Hospital, self-respecting men and women suffering from incurable or chronic disease, who, were they suffering from acute or curable illness, would be cared for by relatives, or would be admitted to the City Hospital or some private hospital. Others, even though in fair health, are obliged to come into the Almshouse because they can no longer work, have exhausted their savings, and have no relatives able to support or even to help them. Such people may, whether well or ill, do much toward cheering and encouraging those around them.

During the summer, one very sick patient in the Hospital, gave a daily lesson in reading, geography and arithmetic to a little girl of ten who was under medical care and observation for a time. This morning school-hour was a happy element in the child's life while in the Hospital, and was prompted by true loving-kindness.

Vagrancy.—The effort to check vagrancy through offering commitment to the State Farm instead of allowing the vagrant easy admission into the Almshouse for a few cold months has had, we believe, a wider result than is indicated by the statement of the actual number of persons who were committed to the State Farm instead of being admitted to the Almshouse. Irrespective of the persons who have been sent to Bridgewater instead of to Long Island, it is probable that fewer able-bodied men, or men only temporarily disabled through drink, have applied for admission to the Almshouse.

The commitment of vagrants to the State Farm secures a gain in quiet and discipline at Long Island, and makes it a more peaceful home for self-respecting people, but entails a distinct loss in able-bodied help which has to be made good

frequently in the Almshouse; two of their children, born in City Institutions, had also died in City Institutions. Three others had been removed as "neglects" from the care of their parents. Some three years ago husband and wife were admitted into the Almshouse on the same day, where the husband died within the week, and where a few months later their last child was born.

Nothing can change this sad story into a cheerful one, but at least it has another side as one hears the part of it which does not lend itself to statistics. The woman whose history has been so pitiful has a sweet, gentle disposition which always wins her friends. The little girl, born under such sad conditions, is an unusually exquisite little creature and had been beloved and cherished from the moment of her birth. Mother and child are now in a good home, the little girl watched over by a friend and by the Trustees for Children.

Another instance is that of a young woman, the latter years of whose life had been passed in alternate periods of drinking and detention in one or other institution, who came to Long Island very ill with consumption. She was so friendless that there was no one to be notified of her death except two kind officials who had had charge of her; a letter, written to a sister in a distant State, was returned, weeks later, unclaimed. Each nurse who had care of her spoke of her uncomplaining patience and her gratitude for every effort to lessen her suffering. These were the qualities by which she was known in the Almshouse Hospital and by which she is remembered there,—as true a part of her character, surely, as the inability to withstand the temptation to drink, which is the only personal quality which finds expression in her institution record.

by more paid assistance, and is undoubtedly one cause of the increased per capita cost. Though we lose the work of these able-bodied persons, we believe that vagrancy in the community will be reduced through such action; and further, we believe that there is much more hope for the individual in a life of strict discipline for a minimum period of nine months at the State Farm than in obtaining access to the Almshouse, where, even if he is a worker, he feels himself provided for under easier conditions, and knows that the door is open for him to go out when the spring comes.

There is noted by the State Board of Charity, on page 11 of their report for 1900, an increase of 125 persons committed during the year from Boston courts to the State Farm at Bridgewater. These persons were committed chiefly for vagrancy, and many of them were former inmates of Boston Institutions. In the year ending September 30, 1900, which is the year covered by the reports of the state institutions, 68 persons with Boston settlement, who had asked admission to the Boston Almshouse, were committed to the State Farm, being 28 per cent. of the whole number committed during the year from Boston courts. Of these 68 persons, 40 were single men, under 50 years of age. We believe that in adopting these measures we are coöperating with the State Board of Charity in their effort to reduce vagrancy throughout the State.

Charlestown Almshouse.— During the year this almshouse has given a comfortable home to its household of about ninety-three old people. The atmosphere has been peaceful, and, in a quiet way, even happy. The level of general health maintained has been remarkable. Not a death occurred during the epidemic of grippe in March, and during the hot months of the summer the Superintendent constantly reported that no one in the institution was so ill as to be in bed.

In each report of the Trustees mention has been made of the urgent need of protection against fire. This need has been recognized, and met by the City Council by the appropriation, in December, 1900, of \$4,000 for fire-escapes for the Charlestown Almshouse.

Randidge Excursions.— During the summer the Randidge Excursions for the benefit of poor children were conducted as before, under the charge of the Penal Institutions Commissioner, a portion of Long Island near the West Head being used for the purpose.

Matron on Steamer "J. Putnam Bradlee."— The Trustees have had reason to be grateful for the appointment in May,

by the Penal Institutions Commissioner, of a matron on the "J. Putnam Bradlee," which has resulted in great good to the sick patients going to Long Island. During the year 406 persons have been received directly into the Hospital on arrival, many of whom were seriously ill; in 26 cases, death occurred within one week of their arrival. It is impossible to adequately estimate the important difference made to these helpless people by the presence of a kind and helpful matron.

The Trustees were gratified that, on August 21, His Honor Mayor Hart paid a visit to the Almshouse at Charlestown, and on August 31 spent several hours at Long Island.

On April 25 a committee of the City Government visited Long Island and inspected the buildings there.

On June 27 the Committee on Public Charitable Institutions of the State Legislature visited Long Island.

The Trustees wish to acknowledge gratefully the invaluable services of the Visiting Medical Staff of the Long Island Hospital, to which a large part of its growth and improvement should be attributed.

Respectfully submitted,

ALICE N. LINCOLN,
WILLIAM H. GRAINGER,
FRANCES R. MORSE,
WALTER HUNNEWELL,
HENRY DOBBINS,
UBERT K. PETTINGILL,
ARTHUR G. EVERETT.

REPORT OF THE SUPERINTENDENT OF THE
BOSTON ALMSHOUSE AND HOSPITAL,
LONG ISLAND.

LONG ISLAND, BOSTON HARBOR, January 31, 1901.

To the Pauper Institutions Trustees :

I have the honor of presenting to you the report of the Boston Almshouse and Hospital for the year ending January 31, 1901.

At the opening of the year there were 650 persons in this institution, and during the year there were 690 admissions (328 male, and 362 female), making a total of 1,340 cared for, including readmissions. The smallest number present at any one time was 573; the largest number was 681.

Hospital. — There have been treated in the Hospital during the year 997 cases, — 428 male, and 569 female. Of these patients, 825 were medical, and 172 were surgical cases. There have been 189 deaths and 7 births.

The Hospital is very much overcrowded, but we expect the new ward will give us great relief in this respect. It is our purpose to establish a convalescent and out-patient ward in the Men's Building; this ward will be under hospital supervision, and a nurse from the Training School will be in charge.

There have been several changes in the medical staff during the past year. Dr. A. A. Taft resigned May 1 to take the position of Resident Physician at Deer Island; Dr. T. J. O'Brien was appointed to fill the position of Second Medical Officer, left vacant by the promotion of Dr. Arthur S. Hartwell.

The interne services of Drs. F. B. Worthing, G. B. Hoitt, and W. M. Gay expired during the year, and their positions were filled by Drs. S. F. Cox and I. R. Bancroft, and Mr. S. W. Mooring. On December 1 Dr. Hartwell received the appointment of Assistant Superintendent and Physician, and Dr. T. J. O'Brien was promoted to the office of Assistant Physician.

We could use another house-officer to good advantage; since the laboratory was completed the work for house-officers has considerably increased, and when the ward for convalescents and out-patients is established their duties will be still greater.

Training-school for Nurses.— The training-school for nurses has completed a successful year, and the work in this Department is steadily improving.

Improvements Suggested.— The Men's Building needs a thorough renovation. New floors are needed in many of the wards, and I would recommend that a shower-bath system be established in place of the iron tubs now in use. Non-absorbent flooring ought to be put in all the lavatories and adjacent corridors; the smoke room also needs a new floor, and a new set of sanitary fixtures is necessary. The building needs painting inside and around the windows.

I wish to call your attention to the embankment in the rear of the Women's Building; I feel that it is necessary that some measures be taken to prevent the washing away of the land.

Both the Hospital and Women's Building need painting on the outside.

For the first time we have made use of the artificial ice-pond, and have harvested about 300 tons of ice and stored the same in a temporary shed. I would suggest that an ice-house be built to allow the storing away of 500 or 600 tons; this, in addition to the present ice-house accommodation, would permit us to harvest all of the ice that we could consume during the entire year.

The facilities for bathing at the Hospital are inadequate, especially in the male wing, where I would recommend that a shower-bath be added to our present accommodations. Non-absorbent floors should be in all of the bath-rooms and lavatories throughout the Hospital, and additional fixtures are needed in nearly all of the lavatories.

We very much need sun-platforms attached to the nursery where the children can be carried out into the open air every day that is suitable. If we could have sun-platforms attached to the other wings of the Hospital they would be greatly appreciated by the patients, and would certainly be of great value in furthering their recovery.

I wish to call your attention to the desirability of building a greenhouse; one-half of the building could be utilized in growing plants which will be used to beautify the wards and to start bedding plants for the lawns; the other half could be used to great advantage in starting our early vegetables.

Our thanks are due to our chaplains for their untiring attention to the sick during the year, and their devotion both to the welfare of the inmates and to the interests of the institution.

I would also thank the outside friends who have kindly remembered us with books and papers for the benefit of the inmates; this literature has been greatly appreciated by our people.

I take this occasion to thank you for the confidence and honor you have conferred upon me. I am,

Yours respectfully,

ARCHIBALD J. RANNEY, M.D.,

Superintendent

REPORT OF THE SUPERINTENDENT OF THE
BOSTON ALMSHOUSE FOR WOMEN AND
AGED COUPLES, CHARLESTOWN.

CHARLESTOWN DISTRICT,
BOSTON, MASS., January 31, 1901.

To the Pauper Institutions Trustees :

The past year has in many ways been a satisfactory one for this institution.

I wish first to speak of the remarkable health record which has prevailed throughout the year, weeks have passed with no one sick enough to be in bed; but two deaths have occurred, and it has been necessary to transfer but a small number of cases for serious mental or physical disability. Two of the persons transferred for hospital treatment died shortly after transference.

The inmates have been generally happy and contented, doing their work willingly, and the rules are now so easily enforced that for more than a year no one has been placed in a separate room for discipline.

No extensive repairs or alterations have seemed necessary, but general minor repairing and painting have kept the buildings in good order, the addition of much needed fire-escapes is now made possible by a special appropriation.

The condition of the grounds and garden has greatly improved since the appointment of our present efficient farmer; the grounds have been well kept, and the garden furnished an abundance of fresh vegetables for officers and inmates during the summer; a good crop of oat straw, and beets and turnips enough to last through the winter were raised, and a lot of land on the south side of the institution has been reclaimed, and produced a fine yield of cabbages.

Religious services have been held as heretofore, and I would gratefully acknowledge the kind and tender ministrations of the clergy of the Church of St. Francis de Sales, the kindness of the Rev. George Maxwell of St. John's Church, and the interest of the people of Trinity Church; also the very pleasant entertainments given by the young people of the first two churches. Many pleasant musical evenings have been given our old people by kind young friends. .

To our former efficient corps of workers two additions have been necessary, and the positions of night watchman and indoor assistant have been satisfactorily filled.

I wish to acknowledge the faithful and capable assistance of my corps of workers.

I would most heartily thank your honorable Board for your kind and generous support throughout the year.

Respectfully submitted,

SARAH GREENLEAF WEEDEN,

Superintendent.

REPORT OF THE VISITING MEDICAL STAFF OF THE LONG ISLAND HOSPITAL.

BOSTON, January 31, 1901.

To the Pauper Institutions Trustees:

The past year has seen a more marked improvement in the Hospital Department than any preceding year within the experience of the visiting staff. This is due to several causes: The discipline of the hospital wards has been constantly improving, largely through the efforts of the resident physicians and nurses, supported and encouraged by the Superintendent. The resident medical staff has been permanently increased to five men, three of whom are house officers. This has permitted a more systematic and satisfactory division of hospital work than has heretofore been possible, and has resulted in a decided improvement in the efficiency of the service. No one thing has conduced more toward the rapid development of the Hospital than the establishment of an adequate laboratory under the immediate direction of a salaried pathologist. It is now possible, for the first time in the history of the institution, to afford the sick the advantages which come directly and indirectly from modern laboratory methods of diagnosis and research. We are confident that the experience of this Hospital will be like that of others, in which working laboratories have been established, in creating enthusiasm, fostering observation and accuracy, and thereby leading to the more intelligent treatment of the patients. The work already accomplished in this new department, through the untiring efforts of the pathologist, Dr. G. B. Magrath, is sufficient guarantee of its future increasing usefulness. Finally, the public at large, and the medical profession in particular, is manifesting a continually greater interest in the possibilities of the Hospital. For these various reasons we regard the past year as a peculiarly satisfactory one, and look forward with confidence to further progress in the immediate future.

Two of the recommendations made in our last report are about to be accomplished. The immediate building of a much-needed addition to the male wing of the Hospital and of a suitable nurses' home has been rendered possible by a recent appropriation of the City Government. An added ward, which it is provisionally suggested shall be used for tuberculous patients, will very greatly relieve the existing congestion, and permit a more adequate classification of the sick. With the development of the Training School for Nurses, which, in our opinion, has amply justified its foundation, has grown the necessity for a dormitory building devoted primarily to nurses' use. The removal of the nurses from the main hospital building will likewise make vacant a number of rooms, which are much needed for the proper accommodation of the resident medical staff, as suggested in our preceding report.

With the growth of the Visiting Medical Staff, and the consequent increase in the number of visits made to the Hospital, the desirability of a daily morning and afternoon boat service becomes more and more apparent. Such an arrangement would greatly facilitate the intimate relations between the staff and the Hospital, which the complete development of the institution on its medical side demands. We also beg leave to call again to your attention the fact of the need of sun-platforms in connection with certain of the wards for the benefit of tuberculous and other patients. The value of such structures is certainly out of all proportion to the relatively trifling expense of their construction. We respectfully urge, therefore, that platforms be built as soon as feasible.

The quality of medical work being done by the resident staff of the Hospital is a just source of satisfaction. It has steadily improved in thoroughness, due in part to an increased number of house-officers and in part to a better systemization of the medical work as a whole. In order, however, that the standard of work may be kept high and still further improved, it will soon be necessary to increase the number of house officers. With the present facilities for caring for the sick it is desirable that the public should be aware of the fact that obstetric cases may be received and treated during the period of confinement and convalescence.

We beg, finally, to express our appreciation of your coöperation in matters looking to the improvement of the medical department of the institution; we feel that the Hospital is beginning to take the place it should among the institutions for the care of the sick in this community. The following

additions have been made to the visiting staff of the Hospital since our last report: Dr. Franklin W. White, assistant visiting physician; Dr. Sidney A. Lord, assistant visiting neurologist; Dr. Fred M. Spalding, visiting ophthalmologist.

Respectfully submitted,

ABNER POST,
PAUL THORNDIKE,
E. W. TAYLOR,
For the Visiting Medical Staff.

REPORT OF THE VISITING PHYSICIAN OF THE
BOSTON ALMSHOUSE FOR WOMEN AND
AGED COUPLES, CHARLESTOWN.

BOSTON January 31, 1901.

To the Pauper Institutions Trustees:

As visiting physician of the Charlestown Almshouse I have the honor to submit my report for the year ending January 31, 1901.

During the year the health of the inmates has been exceptionally good.

There have been only two deaths, both from chronic cases, a man aged 81, from senility, and a woman, aged 64, from valvular heart disease.

The death-rate is the lowest in the history of the institution, and this result would have been impossible but for the intelligent co-operation of the Superintendent, the matrons and the assistants.

Very respectfully yours,

R. W. SPRAGUE, M.D.

RULES FOR ADMISSION TO THE LONG ISLAND HOSPITAL.

Persons eligible to care in the Hospital at Long Island, Boston Harbor, are as follows :

1. Any person who has a legal settlement in the City of Boston and stands in need of relief and is ill.

2. Any such person who, if well, could be supported at his home, but who, being ill, needs special medical or surgical care which he cannot afford to provide.

3. Any person having no settlement in Boston, and who is too ill to be removed to the city or town of settlement (or to a State institution if without a settlement), and who is in need of immediate relief.

The question of settlement will be determined by the Institutions Registration Department, 28 Court square; office hours, 9 to 5 o'clock; on Saturdays, 9 to 1 o'clock. Any person able to walk should apply at that office. An ambulance and carriage are at the disposal of that office, and will be sent for persons unable to walk, to carry them to the boat.

Cases of contagious illness, such as scarlet fever, diphtheria, etc., are not received at Long Island, but should be referred to the City Hospital.

In the case of a person who does not speak English it is desirable that he should be accompanied by a friend who can interpret when he makes his application at 28 Court square.

It is very desirable that application should be made the day before it is intended that the person should go to the Hospital, or, if an emergency case, before 12 o'clock, in order that the settlement may be investigated, and the ambulance or carriage sent, if necessary. A person applying at this office too late for admission on the same day will be sent to the Wayfarers' Lodge (men), or to the City Temporary Home (women).

It is earnestly requested that if a person is advised to apply for admission to the Hospital at Long Island he should be made to clearly understand that it is the Hospital Department of the Boston Almshouse, as much distress has often been occasioned by ignorance of this fact at the time of going to the Hospital.

The executive force of the Hospital at Long Island consists of the Assistant Superintendent and Physician, the Assistant Physician, and the three House Officers, who have

immediate charge under the direction of the Superintendent and Resident Physician and the Visiting Medical Staff. There is a training school for nurses, with a Superintendent of Nurses and assistant, three head nurses and thirty probationers or pupil nurses.

BOSTON ALMSHOUSE AND HOSPITAL TRAINING SCHOOL FOR NURSES.

This Training School is established to give a systematic two-years' course of training and practice to women desirous of becoming professional nurses.

The school is connected with the Boston Almshouse and Hospital, which is located on one of the most beautiful and salubrious of the many islands of Boston Harbor. The Hospital building is new and modern in all its appointments, and contains two hundred and fifty beds.

The Superintendent of the Almshouse and Hospital has the general supervision of all matters relating to the school, and application for admission should be made to him. The Superintendent of Nurses has the immediate charge of all the nursing in the Hospital, of all persons employed in the wards, and also the instruction and management of the pupils in the Training School.

The course requires two years, and includes general medical, surgical, maternity, and infant nursing.

A fixed course of instruction is given, including lectures and demonstrations on practical points by the medical and surgical staff, recitations on these and from text-books, but chiefly the daily instruction from the Superintendent of Nurses and the graduate head nurses, and the accurate daily drill in the wards and operating room.

The instruction includes the general care of the sick, the making of beds, changing bed and body linen, managing of helpless patients in bed, etc.; giving baths, keeping patients warm or cool, prevention and dressing of bed sores; the making and applying of bandages, applying of fomentations and poultices and minor dressings, cupping, the administration of enemias, and use of the female catheter. The pupils are also given lessons in massage. Maternity nursing is taught by practice in the confinement rooms, which includes digital examination of patients. Instruction is also given the pupils how to act in the various emergencies which arise

in childbed. Pupils are taught how to cook and serve food for the sick in a proper manner, the feeding of helpless patients, and the feeding and preparation of food for infants.

Instruction is also given in the best practical methods of supplying fresh air, of warming and ventilating sick rooms in a proper manner, and the way to take care of sick rooms for the best good and comfort of the patient; in keeping all utensils and appliances perfectly clean and disinfected; in making accurate observations of the pulse, temperature, respiration, expectorations, the secretions and state of the skin, of mental conditions as to delirium, dementia, etc.; of the condition as to sleep, appetite, effects of diet or of stimulants and medicines, and in the managing of cases of senility and senile dementia. Pupils are taught the administering of medicines and the application of external remedies; how to take notes on cases, the making up of a nurse's record, and the reports to the attending physician.

Candidates will be received between the ages of twenty-one and thirty years. They must be of sound health. They should send a brief personal history, and give the names and addresses of responsible persons not of their own kin, who know their good character and capabilities. Upon the approved recommendation of the Superintendent they will be received for one month on probation.

At the end of the first month, candidates, if considered satisfactory to the authorities in charge of the Hospital, are permitted to join the school upon signing an agreement to complete the prescribed course of two years, and to conform to all rules.

The right is reserved by the authorities of the Hospital to terminate, at any time, the connection of any pupil for inefficiency, misconduct, generally unsatisfactory record, or for any other reason which may be deemed sufficient.

While the education and training which are afforded are intended to be a full equivalent for their services there is given the pupils, toward defraying their necessary personal expenses, ten dollars per month during the first year, and twelve dollars per month for the second year.

If pupils successfully fulfil the requirements for the full term of two years and pass the necessary examinations they will, upon the termination of their service, receive the diploma of the Hospital.

There are no fixed dates for the beginning of service, but accepted candidates may enter whenever vacancies occur.

Pupils are required to wear the Training School uniform after they join the school.

LIST OF GRADUATES, LONG ISLAND HOSPITAL TRAINING SCHOOL FOR NURSES.

(Arranged according to year and sequence in graduation.)

1896.

Miss Emily Bradford,
Miss Mary Carmen,
Mrs. Addie G. Flood,
Miss Mary MacAdam,
Miss Alice G. Proctor,
Miss Lena Boutellier,
Miss H. Pearl Hyde,

Miss Arsilla M. Lisson,
Miss Mary McManus,
Mrs. Bridget T. Salmon,
Miss Elizabeth H. Sullivan,
Miss Mabel Sadlier,
Miss Rachael M. Watson.

1897.

Miss Edith M. Rose,
Miss Daisy M. Story,
Miss V. Merle Bacon,
Miss Betsie F. Leonard,
Miss Catharine McDonald,

Miss Florence McDonald,
Mrs. Georgie Lynch,
Miss Clara A. Reed,
Miss Erminie Mercier.

1898.

There were no graduates as the course was extended from one year to two. Future graduates will take the course of two years.

1899.

Miss Katherine Belle MacAdam,
Miss Margaret A. Kelley,
Miss Winifred Dillon,
Miss Mary B. A. Wells,
Miss Mary E. Fenton,
Mrs. Ellen Dwyer,
Miss Delia J. Riley,
Miss Sara E. MacGowan,
Miss Myretta E. Waite,
Miss Julia Kelleher,

Miss Rebecca M. Sullivan,
Miss Annie R. Gordon,
Miss Elsie Young,
Miss Lilian Queenan,
Miss Margaret L. Corbett,
Miss Margaret J. Crain,
Miss Gustena E. Gatchell,
Miss Anna O'Connor,
Miss Christine Chisholm,
Mrs. Catherine Berry.

1900.

Miss Priscilla McKenzie,
Miss Caroline J. Foss,
Miss Christine MacIntosh,
Miss Mabel A. Howard,

Miss Matilda C. Crane,
Miss Mary A. Sweeney,
Miss Mary T. Thompson,
Miss Frances McKenzie.

APPENDIX.

TABULAR FINANCIAL STATEMENTS.

EXPENDITURES FOR ALMSHOUSE AND HOSPITAL, LONG ISLAND,
1900-1901.

Salaries :

Arthur T. Hopkins, Superintendent, Dec. 15, 1899, to Dec. 1, 1900	\$2,875 00
Archibald J. Ranney, Supt. & Res. Phys., Dec, 1, to Dec, 15, 1900	125 00
Employees, Dec. 15, 1899, to Dec. 15, 1900	26,856 77
Food	\$29,856 77
Fuel	39,599 01
Repairs and improvements	15,561 42
Clothing	9,129 22
Medical and surgical supplies	4,225 82
Furniture and upholstery	4,208 61
Agricultural	3,202 57
Household supplies	3,181 55
Bedding	1,796 41
Tobacco and snuff	1,208 65
Electric lights	928 95
Soap and laundry supplies	898 00
Religious services	700 24
Liquors	588 76
Printing	443 11
Burials	429 27
Disinfectants	233 34
Postage	174 63
Transportation	174 51
Entertainment of inmates	165 90
Telephone	152 58
Library and school supplies	128 15
Advertising	120 62
Oils	93 01
Massage lessons	79 28
Ice	75 00
Freight	68 40
Stationery	55 94
Gasoline	54 65
	5 45
	\$117,539 82

EXPENDITURES FOR PAUPER EXPENSE, 1900-1901.

Support of Poor at Massachusetts Hospital for Consumptives and Tuberculous Patients . . .	\$546 69
Support of Poor in charge of Cities and Towns .	379 94
Support of Poor in charge of Commonwealth .	267 12
Burials	10 00
Total	\$1,203 75

EXPENDITURES FOR STEAMER "JOHN HOWARD," 1900-1901.

Salaries of captain and crew	\$3,622 84
Repairs	2,136 70
Fuel	1,672 51
Chandlery and supplies	814 38
Meals	274 00
Use of boats	70 00
Water	10 00
Furniture	2 50
Total	\$8,602 93

RECAPITULATION OF EXPENDITURES.

Almshouse and Hospital, Long Island . . .	\$117,539 82
Almshouse for Women and Aged Couples, Charlestown	13,254 19
Office expense	4,567 58
Pauper expense	1,203 75
Steamer "John Howard"	8,602 93
Total	\$145,168 27

INCOME.

ACCOUNTS DEPOSITED WITH THE CITY COLLECTOR ON ACCOUNT OF
INCOME OF THE INSTITUTIONS FOR THE YEAR ENDING JAN-
UARY 31, 1901.

Almshouse and Hospital, Long Island.

Board of inmates	\$3,056 96
Medical care of soldiers	20 00
Medical care of workmen of Harvey T. Pierce	72 00
Medicines for House of Reformation	21 60
Physicians' fees	50 00
Total	\$3,220 56

Almshouse for Women and Aged Couples, Charlestown.

Board of inmates	\$717 55
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COMPARISON OF ACCOUNTS DEPOSITED WITH CITY COLLECTOR ON
ACCOUNT OF INCOME FOR THE YEARS ENDING JANUARY 31,
1900 AND JANUARY 31, 1901.

	January 31, 1900.	January 31, 1901.	Increase.	Decrease.
Almshouse and Hospital, Long Island.....	\$3,487 84	\$3,220 56	.....	\$267 28
Almshouse for Women and Aged Couples, Charlestown.....	608 73	717 55	\$108 82	
Totals.....	\$4,096 57	\$3,938 11	.....	\$158 46

ACTUAL COLLECTIONS MADE BY CITY COLLECTOR ON ACCOUNT OF IN-
COME OF INSTITUTIONS FOR THE YEAR ENDING JANUARY 31, 1901.

Boston Almshouse and Hospital, Long Island	\$6,072 87
Boston Almshouse for Women and Aged Couples, Charlestown.	571 43.
Total	\$6,644 30

COMPARISON OF EXPENDITURES OF THE INSTITUTIONS FOR THE YEARS ENDING JANUARY 31, 1900, AND JANUARY 31, 1901.

	Expenditure for 12 months.		Increase.	Decrease.
	Ending Jan. 31, 1900.	Ending Jan. 31, 1901.		
Almshouse and Hospital, Long Island	\$97,497 09	\$117,539 82	\$20,042 73	
Almshouse for Women and Aged Couples, Charlestown	13,924 30	13,254 19	.....	\$670 11
Totals	\$111,421 39	\$130,794 01	\$19,372 62	

COMPARISON OF ACTUAL COST OF THE INSTITUTIONS FOR THE YEARS ENDING JANUARY 31, 1900 AND JANUARY 31, 1901.

	1900.	1901.				
	Actual cost.	Expended.	Actual income.	Actual cost.	Increase.	De- crease.
Almshouse and Hos- pital, Long Island,	\$94,646 67	\$117,539 82	\$6,072 87	\$111,466 95	\$16,820 28	
Almshouse for Women and Aged Couples, Charles- town	13,403 22	13,254 19	571 43	12,682 76	.....	\$720 46
Totals	\$108,049 89	\$130,794 01	\$6,644 30	\$124,149 71	\$16,099 82	

AVERAGE EXPENDITURE FOR, AND ACTUAL COST OF, EACH INMATE OF THE INSTITUTIONS FOR THE YEAR ENDING JANUARY 31, 1901.

	EXPENDITURE.		ACTUAL COST.	
	Per Year.	Per Week.	Per Year.	Per Week.
Almshouse and Hospital, Long Island	\$190 50	\$3 66	\$180 66	\$3 47
Almshouse for Women and Aged Couples, Charlestown	142 52	2 74	136 37	2 62

SPECIAL LOAN APPROPRIATIONS.

APPROPRIATION FOR BUILDINGS, ETC., LONG ISLAND.

Balance from 1899-1900	\$794 05
No drafts during the year.	

APPROPRIATION FOR SALT-WATER FIRE SYSTEM.

Balance from 1899-1900	\$5,579 75
Expended for :	
Pump foundations, suction, etc. (O'Rourke & Nelson)	\$1,455 77
Pump-house, retaining wall, etc. (C. W. Clark & Co. and W. L. Miller)	1,111 25
Underwriter fire-pump (Geo. F. Blake M'f'g Co.)	1,224 10
Connection between Pump- house and Power-house (Cleghorn-Egglee Co.)	947 00
Pipe and castings (Water De- partment)	543 97
Tools, etc.	297 66
	<u>\$5,579 75</u>

APPROPRIATION FOR ALMSHOUSE, LONG ISLAND, NEW POWER-
HOUSE AND EQUIPMENT.

Balance from 1899-1900	\$21,894 46
Expended for :	
Contract for building (Woodbury & Leighton)	\$3,268 43
Contract for steam mains, etc. (Cleghorn-Egglee Co.)	6,097 30
Contract for boilers, etc. (E. Hodge & Co.)	1,000 00
Laundry Machinery (Poland Laundry Mach. Co.)	1,431 87
Installing electrical plant (Elec. Const. Div.)	5,600 13
Miscellaneous work (Repairs Div.)	4,305 00
Architect (Architectural Div.)	139 20
Printing	4 14
Tools and hardware	48 39
	<u>\$21,894 46</u>

APPROPRIATION FOR ALMSHOUSE, LONG ISLAND, IMPROVEMENTS
IN BARN.

Balance from 1899-1900	\$3,000 00
Expended for :	
Advertising	\$12 50
Printing	1 54
	<u>14 04</u>
Unexpended balance	<u>\$2,985 96</u>

EMPLOYEES AND SALARIES PAID ON JAN. 15, 1901.

OFFICE SERVICE OF THE PAUPER INSTITUTIONS TRUSTEES,
28 COURT SQUARE, BOSTON.

Name and Rank.	Salary per month.
1. Parker B. Field, executive agent (At 28 Court square, Boston.)	\$125 00
	Salary per week.
2. Isabel F. Gerrish, clerk (At 28 Court square, Boston.)	\$15 00
	Salary per month.
3. Annie M. Peaslee, book-keeper, stenographer and type- writer (at Long Island)	\$70 00
4. David Jacobs, assistant book-keeper (at Long Island) .	20 00

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Name and Rank.	Salary per month.
1. A. J. Ranney, superintendent and resident physician .	\$250 00
2. A. S. Hartwell, assistant superintendent and physician,	125 00
3. Thos. J. O'Brien, assistant physician	75 00
4. Irving R. Bancroft, house officer	8 34
5. Simon F. Cox, house officer	8 34
6. S. W. Mooring, house officer	8 34
7. Geo. B. Magrath, pathologist	41 67
8. Charles A. Keucher, druggist	60 00
9. John J. Galvin, relief officer	35 00
10. Thomas Maxwell, receiving officer	30 00
11. Thomas E. Murphy, laundry officer	30 00
12. A. W. Davidson, storekeeper	40 00
13. L. F. Dell, engineer	83 33
14. David E. Westgate, assistant engineer	35 00
15. Wilbur P. Snow, assistant engineer	35 00
16. E. L. Bryant, farmer	50 00
17. George Pike, assistant farmer	30 00
18. James D. Allen, assistant farmer	25 00
19. Everett S. Lawrence, assistant farmer	25 00
20. J. Frank Storin, watchman	25 00
21. T. W. Kendall, carpenter	45 00
22. Henry G. Cochrane, carpenter	40 00
23. Edward Whalen, carpenter	50 00
24. T. H. Killion, painter	45 00
25. Daniel J. McLaughlin, painter	55 00
26. P. J. Cunningham, baker	60 00
27. J. J. Miller, orderly	25 00
28. Hugh B. Molloy, orderly	25 00
29. E. J. Gladding, wardman	13 00
30. Andrew Wilson, wardman	20 00
31. M. A. Morris, superintendent of nurses	75 00
32. Annie R. Moore, night superintendent of nurses	35 00
33. Margaret J. Chisholm, head nurse	25 00
34. Rebecca M. Sullivan, head nurse	25 00
35. Nellie S. Redmund, head nurse	25 00
36. Martha Bell, nurse	10 00
37. Mabel E. Caldwell, nurse	12 00
38. Theresa Carr, nurse	10 00
39. Mary Crowley, nurse	10 00
40. Catherine Curran, nurse	10 00
41. Alice L. Flint, nurse	12 00

42.	Cecile M. Genoud, nurse	\$12 00
43.	Maria Graham, nurse	10 00
44.	Carrie H. Garfield, nurse	10 00
45.	Agnes J. Hasenfuss, nurse	12 00
46.	Alice R. Harvey, nurse	10 00
47.	Maude E. Hart, nurse	10 00
48.	Adelaide Johnson, nurse	12 00
49.	Margaret A. Learson, nurse	12 00
50.	Clara Lyons, nurse	12 00
51.	Ida M. Lewis, nurse	10 00
52.	Helen Mulcahey, nurse	12 00
53.	Bridget Manning, nurse	12 00
54.	Eva M. Marine, nurse	12 00
55.	Catherine McColough, nurse	12 00
56.	Margaret A. McDonald, nurse	10 00
57.	Maud M. Neilsen, nurse	12 00
58.	Alice B. O'Neil, nurse	10 00
59.	Bertha M. Picket, nurse	10 00
60.	Alice M. Price, nurse	12 00
61.	Margaret Queen, nurse	10 00
62.	Agnes J. Rogers, nurse	10 00
63.	Mary Shafner, nurse	12 00
64.	Alice M. Spragg, nurse	10 00
65.	Lizzie Wilbur, nurse	12 00
66.	W. E. S. Constantine, head matron	35 00
67.	N. E. Sheehan, matron	22 50
68.	Agnes F. Cavanagh, matron	20 00
69.	Elizabeth Chapman, matron	20 00
70.	Kate Kenneally, matron	20 00
71.	Mary Ward, matron	35 00
72.	Mary A. White, housekeeper	30 00
73.	Emma Grandstadt, cook	25 00
74.	Betilda Wilson, cook	25 00
75.	Matilda Severson, house maid	20 00
76.	Anna Peterson, house maid	18 00
77.	Amy Nelson, laundress	22 00
78.	Hilda Hallsten, laundress	18 00
79.	Adelaide Donohoe, organist	12 50
80.	Clara Baker, organist	12 50

ALMSHOUSE FOR WOMEN AND AGED COUPLES, CHARLESTOWN.

Name and Rank.	Salary per month.
1. Sarah G. Weeden, superintendent	\$100 00
2. Rufus W. Sprague, physician (non-resident)	41 67
3. Jerome Hurley, farmer	30 00
4. Miriam G. Church, matron	20 00
5. Lucy I. Davis, matron	20 00
6. Mary Furlong, matron	20 00
7. Nellie O'Keefe, cook	20 00
8. Hugh McCaffrey, watchman	20 00
9. Thomas White, baker	15 00
10. John A. Hanley, inside helper	15 00

STEAMER "JOHN HOWARD."

Name and Rank.	Salary per month.
1. W. H. Sampson, captain	\$90 00
2. E. W. Bates, mate and pilot	60 00
3. Wm. Campbell, engineer	75 00
4. Duncan McLaren, assistant engineer	50 00
5. P. H. Anderson, Jr., fireman and deck-hand	35 00

INVENTORY AND APPRAISAL OF REAL AND PERSONAL ESTATE, JANUARY 31, 1901.

OFFICE OF THE TRUSTEES, BOSTON.

Furniture, etc.	\$617 64
Stationery and office supplies	75 00
Total	<u>\$692 64</u>

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Land	\$220,800 00
Men's building	100,000 00
Women's building	70,000 00
Hospital	100,000 00
Chapel	11,500 00
Residence of superintendent	10,500 00
Power-house and equipment	72,000 00
Two cottages and barn	5,000 00
Piggery, hen-house, etc.	1,500 00
Ice-house	700 00
Mortuary	400 00
Two wharves, with houses	2,100 00
Water-works	24,142 79
Electrical plant	7,500 00
Laundry machinery	1,500 00
	<u>\$627,642 79</u>
Mechanical fixtures	425 00
Furniture and household supplies	13,369 67
Clothing, bedding and dry goods	8,910 43
Provisions and groceries	2,758 27
Soap and laundry supplies	168 46
Library supplies	350 00
Stationery	398 24
Medical and surgical supplies	5,513 57
Liquors	162 16
Tobacco and snuff	164 64
Oil and gasolene	11 43
Ice	500 00
Fuel	1,885 00
Building materials and tools	580 00
Agricultural supplies	325 60
Carriages and agricultural implements	1,704 40
Live stock	4,457 00
Farm products	230 84
Total	<u>\$669,557 58</u>

ALMSHOUSE FOR WOMEN AND AGED COUPLES, CHARLESTOWN.

Land	\$31,300 00	
Buildings	22,000 00	
Stable	800 00	
Sheds	1,200 00	
		\$55,300 00
Mechanical fixtures		1,220 70
Furniture and household supplies		1,563 38
Clothing, bedding and dry goods		1,637 30
Provisions and groceries		422 18
Soap and laundry supplies		51 20
Library supplies		40 00
Stationery		5 65
Medical and surgical supplies		78 71
Liquors		1 00
Tobacco and snuff		28 50
Fuel		525 25
Building materials and tools		110 16
Agricultural supplies		79 10
Carriages, wagons and agricultural implements		419 80
Live stock: One horse, 3 cows, 12 pigs, 35 hens, ...		401 25
Total		<u>\$61,884 18</u>

STEAMER "JOHN HOWARD."

Steamer	\$15,000 00
Boats	90 00
Fire-hose	418 75
Ship chandlery, etc.	225 00
Cabin furniture	25 00
Total	<u>\$15,758 75</u>

RECAPITULATION OF VALUATION.

Boston Almshouse and Hospital, Long Island	\$669,557 54
Boston Almshouse for Women and Aged Couples, Charlestown	61,884 18
Office of the Trustees, Boston	692 64
Steamer "John Howard"	15,758 75
Total valuation of all Department property	<u>\$747,893 11</u>

MANUFACTURERS AND PRODUCTS.

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Articles Manufactured in Sewing-room.

120 Bedticks.	108 Women's Flannel Dresses.
82 Mattresses.	400 Women's Cotton Drawers.
100 Pillowticks.	600 Women's Nightgowns.
980 Sheets.	50 " Nightcaps.
1,121 Pillowslips.	100 " Waists.
1,986 Towels.	400 Gingham Aprons.
60 Tablecloths.	300 White "
100 Table Napkins.	3 Pajamas.
13 Camisoles.	72 Men's Overalls.
10 Operating Gowns.	85 " Jumpers.
2 Awnings.	14 " Coats.
8 Window Draperies.	10 " Trousers.
104 Window Curtains.	800 " Shirts.
6 Bed Jackets.	60 " Nightshirts.
27 Screen Covers.	90 " Drawers.
72 Tea Bags.	100 pairs Men's Suspenders.
24 Clothes Bags.	6 " Boys' Trousers.
12 Clothes-pins Bags.	8 Boys' Blouses.
5 Sand Bags.	25 Baby Dresses.
4 Cushions.	2 " Cloaks.
20 Rugs.	20 " Jackets.
100 Holders.	30 " Petticoats.
196 Shrouds.	60 " Napkins.
100 Women's Flannel Dresses	48 " Nightgowns.
96 " Cotton "	200 Shoulder Shawls.
100 " Petticoats.	60 Handkerchiefs.
400 " Cotton Chemises	
100 Women's Flannel Chemises.	

Clothing Repaired.

2,123 Men's Shirts.	320 Women's Waists.
1,124 " Drawers.	1,380 " Chemises.
296 " Overalls.	1,210 " Nightgowns.
240 " Jumpers.	172 " Aprons.
100 " Coats.	5,120 pairs Women's Stockings.
75 " Trousers.	150 Tablecloths.
25 pairs Men's Mittens.	260 Bedspreads.
5,621 " " Hose.	420 Bedticks.
98 Men's Aprons.	50 Blankets.
500 Women's Dresses.	35 Sheets.
521 " Petticoats.	30 Pillows.
1,160 " Drawers.	

ALMSHOUSE FOR WOMEN AND AGED COUPLES, CHARLESTOWN.

Articles Manufactured in the Sewing-room.

5 Dressing Sacks.	4 dozen Men's Flannel
6 dozen Women's Dresses.	Drawers.
4 " " Drawers.	$\frac{1}{2}$ dozen Jumpers.
10 " " Chemises.	12 " Pillow-cases.
5 " " Night-dresses.	13 " Sheets.
$\frac{1}{2}$ dozen Women's Aprons.	4 " Wool-hose.
1 " Overalls.	3 " Roller Towels.
3 " Men's Outside	4 " Short "
Shirts.	1 $\frac{1}{2}$ " Tea Bags.

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Farm Products.

Hay	50 tons	at \$17 00	\$850 00
Oat fodder	15 "	" 12 00	180 00
Corn fodder	100 "	" 5 00	500 00
Sweet corn	4,375 dozen	" 05	218 75
Onions	138 bushels	" 60	82 80
Table beets	184 "	" 50	92 00
Carrots	148 "	" 50	74 00
Parsnips	38 "	" 60	22 80
Squash	5 $\frac{1}{2}$ tons	" 20 00	110 00
Pumpkins	1 ton	" 5 00	5 00
Cabbage	7,000 heads	" 01 $\frac{1}{2}$	105 00
Lettuce (curled)	135 bushels	" 50	67 50
Radish	36 "	" 80	28 80
Turnips	423 "	" 40	169 20
Cucumbers	84 "	" 75	63 00
Tomatoes	135 "	" 60	81 00
Potatoes	158 "	" 60	94 00
Rhubarb	2 "	" 15 00	30 00
String beans	168 "	" 40	67 20
Peas	46 "	" 60	27 60
Beef	523 pounds	" 06	31 38
Pork	224,65 "	" 05	1,123 25
Milk	101,869 quarts	" 05	5,093 45
Pigs	115	" 4 00	460 00
Shoats	100	" 6 00	600 00
Calves	8	" 8 00	64 00
Ice	200 tons	" 2 50	500 00
Total			<u>\$10,740 73</u>

POPULATION STATISTICS
OF
BOSTON ALMSHOUSE AND HOSPITAL, LONG ISLAND.
From February 1, 1900, to January 31, 1901.

Date of Month.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.
1.....	650	681	660	629	610	607	602	591	587	576	599	621
2.....	652	680	625	627	608	604	603	591	587	581	599	622
3.....	654	680	626	622	608	605	605	591	589	583	602	623
4.....	654	680	628	623	608	605	604	587	588	583	602	622
5.....	653	674	630	623	608	604	604	589	588	582	603	623
6.....	653	673	639	623	603	598	602	587	588	583	603	623
7.....	659	673	641	620	607	598	603	585	588	582	603	626
8.....	659	675	641	619	605	598	603	584	585	581	605	628
9.....	661	677	637	614	607	601	604	584	584	581	605	629
10.....	662	676	636	612	607	601	608	585	582	577	607	632
11... ..	662	676	638	607	606	605	607	585	579	577	611	636
12.....	661	669	639	604	609	604	607	586	581	576	613	636
13.....	665	668	641	604	606	604	603	587	579	580	612	636
14.....	667	667	641	603	603	603	604	588	579	585	612	639
15.....	670	668	641	605	602	603	604	586	578	585	612	646
16.....	674	668	640	606	600	602	605	586	582	589	612	648
17.....	675	667	640	607	600	599	603	586	582	592	610	651
18.....	675	667	644	608	599	600	601	584	580	592	610	655
19.....	676	663	644	603	601	603	601	587	581	588	611	656
20.....	678	662	643	603	602	606	596	586	577	588	611	656
21.....	681	664	643	604	602	606	590	586	577	591	611	660
22.....	681	667	643	604	606	606	590	586	576	592	614	661
23.....	680	663	639	604	606	607	592	586	576	593	614	662
24.....	679	664	636	605	606	603	591	587	577	595	613	664
25.....	679	664	639	606	610	604	593	590	575	595	613	660
26.....	676	661	638	609	611	607	593	589	575	597	615	663
27.....	679	661	634	609	610	606	589	588	574	594	615	663
28.....	679	660	637	611	610	605	586	589	574	598	616	667
29.....	.....	657	637	612	609	605	589	591	574	598	616	669
30.....	.....	660	632	612	607	607	586	591	573	598	616	669
31.....	.....	660	.....	610	.....	605	591	.....	573	.....	618	671
Average...	668	669	638	611	606	604	599	587	580	587	610	646
Maximum..	681	681	660	629	611	607	608	591	589	598	618	671
Minimum..	650	657	625	603	599	598	586	584	573	576	599	621

Maximum for year, 681. Minimum for year, 573. Average for year, 617.

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Movement of Population.

	Male.	Female.	Total.		Male.	Female.	Total.
Remaining Jan. 31, 1900.....	312	338	650	Discharged during yr.	236	244	480
Admitted since	323	360	683	Died during year.....	71	118	189
Born.....	5	2	7	Remaining Jan. 31, 1901.....	333	338	671
Grand total.....	640	700	1,340	Grand Total.....	640	700	1,340

ALMSHOUSE FOR WOMEN AND AGED COUPLES,
CHARLESTOWN.*Movement of Population.*

	Male.	Female.	Total.		Male.	Female.	Total.
Remaining Jan. 31, 1900,	24	78	102	Discharged during year,	8	36	44
Admitted since	11	31	42	Died during year.....	1	1	2
Grand total.....	35	109	144	Remaining Jan. 31, 1901,	26	72	98
				Grand total.....	35	109	144

NUMBER OF INMATES REMAINING IN THE INSTITUTIONS
JANUARY 31, 1900, AND 1901.

	Jan. 31, 1900,	Jan. 31, 1901.	Increase.	Decrease.
Alms house and Hospital, Long Island	650	671	21	..
Alms house for Women and Aged Couples, Charlestown.....	102	98	.....	4
Total	752	769	17	

AVERAGE NUMBER OF INMATES DURING THE YEARS
ENDING JANUARY 31, 1900 AND 1901.

	1900.	1901.	Increase.	Decrease.
Alms house and Hospital, Long Island.....	658	617	.....	41
Alms house for Women and Aged Couples, Charlestown.....	95	93	.....	2
Total	753	710	.....	43

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Total Admissions, Daily Average Population, etc., for Ten Years.

YEAR.	Total Admissions.	First Admission.	Number re- maining on date of An- nual Report.	Daily Average Population.	Increase.	Decrease
1891.....	1,273	453	926	813	67	.....
1892.....	1,352	441	992	812	.....	1
1893.....	1,705	379	919	728	.....	84
1894.....	1,951	364	960	806	78	.....
1895.....	1,501	352	815	693	.....	113
1896.....	1,310	385	853	706	13	.....
1897.....	1,020	381	853	689	.....	17
1898.....	1,038	369	861	706	17	.....
1899.....	714	389	650	658	.....	48
1900.....	690	280	671	617	.....	41

ALMSHOUSE FOR WOMEN AND AGED COUPLES,
CHARLESTOWN.

Total Admissions, Daily Average Population, etc., for Ten Years.

YEAR.	Total Admissions.	Number remaining on date of Annual Report.	Daily Average Population.	Increase.	Decrease.
1891	130	150	144	.....	3
1892	203	160	144	.....	.....
1893	187	166	145	1	.....
1894	144	161	157	12	.....
1895	108	160	151	.....	6
1896	111	145	148	.....	3
1897	110	140	138	.....	10
1898	45	96	107	.....	31
1899	52	102	95	.....	12
1900	42	98	93	.....	2

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Occupations of Men Admitted.

	Men's Building.	Hospital.	Total.
No stated occupation	1	9	10
Out-of-door Labor (<i>chiefly unskilled and irregular.</i>)			
Laborers.....	38	43	131
Longshoremen	1	1	
Seamen	1	.....	
Miners .....	.....	1	
Teamsters	9	25	
Hostlers .....	.....	3	
Farm-hands.....	2	1	
Hucksters	2	4	
Out-of-door Labor (<i>implying some skill and some regularity of employment.</i>)			
Gardeners	1		10
Coachmen	3	1	
Conductors .....	.....	1	
Motormen .....	.....	1	
Book-agents	1	.....	
Bootblacks .....	.....	2	
Mechanics and Trade Workers.			
BUILDING TRADES:			
Carpenters	5	4	30
Wood-turners	1	.....	
Painters	3	7	
Plasterers	2	.....	
Paper-hangers	1	.....	
Brick-layers.....	2	.....	
Tile-layers	1	.....	
Roofers	2	2	
WORKERS ON METAL:			
Boiler-makers.....	1		16
Steam-fitters .....	.....	1	
Gas-fitters .....	.....	1	
Iron-moulders	1	.....	
Tinsmiths	1	.....	
Blacksmiths .....	.....	3	
Machinists	1	2	
Machinists' helpers.....	.....	1	
Plumber	2	1	
Plumbers' helpers.....	.....	1	
<i>Carried forward</i>	82	115	197

Occupations of Men Admitted. — Concluded.

	Men's Building.	Hospital.	Total.
Brought forward	82	115	197
FACTORY WORKERS:			
Cordage-workers	2		} 30
Glass-blowers	1	2	
Stone-cutters .....	.....	1	
Marble-workers .....	.....	3	
Wall-paper manufacturers	1	.....	
Dyers .....	.....	1	
Trunk-makers	1	1	
Upholsterers	1	3	
Furniture-polishers .....	.....	1	
Scale-builders .....	.....	1	
Broom-makers	1	.....	
Rubber-shoe makers	1	.....	
Carriage-makers .....	.....	1	
Carriage-painters	1	.....	
Chandelier-makers .....	.....	1	
Curriers	3	2	
Cigar-makers	1	.....	
CLOTHING TRADES:			
Tailors	4	1	} 9
Shoemakers	3	1	
FOOD PREPARATION:			
Cooks		1	} 4
Bakers	1	.....	
Confectioners	1	.....	
Meat-cutters .....	.....	1	
OTHER TRADES AND OCCUPATIONS:			
Coopers	1	1	} 44
Ship carpenters	1	.....	
Cabinet-makers .....	.....	1	
Pattern-makers .....	.....	1	
Saddlers	1	.....	
Laundrymen .....	.....	1	
Butchers and provision dealers .....	.....	3	
Wood dealers .....	.....	1	
Hatters .....	.....	1	
Liquor dealers	1	.....	
Bartenders	1	2	
Printers	1	1	
Barbers	1	1	
Engineers	1	2	
Firemen .....	.....	1	
Janitors .....	.....	1	
Watchmen .....	.....	1	
Waiters .....	.....	4	
Clerks	2	8	
Salesmen .....	.....	2	
Lawyers .....	.....	1	
Artists .....	.....	1	
Totals	114	170	284

ALMSHOUSE AND HOSPITAL, LONG ISLAND.

Occupation of Women Admitted.

	Women's Building.	Hospital.	Total.
No stated occupation.....	10	25	35
Domestic Service.			
Housewives or General Housework: (Presumably unskilled).....	56	169	} 272
Housekeepers.....		1	
Cooks	7	8	
Waitresses		2	
Nurserymaids.....		1	
Laundresses	9	8	
Charwomen	2	3	
Restaurant-workers	1	5	
Factory Workers.			
Chocolate-dippers		1	} 4
Button-makers		1	
Buttonhole-makers		1	
Cotton sorters.....		1	
Trades, etc.			
Tailoresses	2	4	} 16
Dressmakers	1	1	
Seamstresses	1	2	
Nurses	1		
Pedlers	1		
Book-keepers		1	
School teachers		1	
Magnetic physicians.....		1	
Totals	91	236	327

ALMSHOUSE FOR WOMEN AND AGED COUPLES, CHARLES-TOWN.

Occupations of Persons Admitted.

MEN.				WOMEN.			
Laborers.	.	.	2	No stated occupation	.	.	2
Gardeners	.	.	1	Housewives or General			
Carpenters	.	.	1	Housework (presumably			
Cabinet-makers	.	.	1	unskilled)	.	.	15
Piano-polishers	.	.	1	Cooks	.	.	6
Shoemakers	.	.	1	Laundresses	.	.	1
Roofers	.	.	1	Tailoresses	.	.	1
Railroad conductors.	.	.	1	Seamstresses	.	.	1
Newspaper writers	.	.	1				
			—	Total	.	.	26
Total	.	.	10				

DATA CONCERNING **353 WOMEN** OF ADULT POPULATION
OF 647 PERSONS ADMITTED TO THE CITY ALMSHOUSES
DURING THE YEAR ENDED JANUARY 31, 1901.

AGE PERIODS.	Under 25	25- 35	35- 45	45- 55	55- 65	65- 75	75- 85	Over 85	Total	Per cent.
SOCIAL CONDITION.										
Single.....	14	11	4	15	16	13	4	1	78	22+
Married	5	17	27	18	13	7	3	.....	90	25+
Widowed ....	.....	1	10	28	51	32	18	2	142	40+
Divorced or separated	1	5	6	4	3	1	.....	.....	20	6-
Deserted.....	.....	4	9	3	6	1	.....	.....	23	7-
Total	20	38	56	68	89	54	25	3	353	
Per cent.....	6-	11-	16-	19+	25+	15+	7+	1-		
NUMBER OF TIMES ADMITTED TO ALMSHOUSE.										
1st	20	23	34	40	41	30	20	2	210	59+
1 to 10 .....	.....	15	21	23	36	22	4	1	122	35-
10 to 20.....	.....	.....	.....	4	8	2	1	.....	15	4+
20 to 30.....	.....	.....	1	1	2	.....	.....	.....	4	1+
30 to 40.....	.....	.....	.....	.....	2	.....	.....	.....	2	1-
40 to 50.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Over 50.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total.....	20	38	56	68	89	54	25	3	353	
ADMITTED ON ARRIVAL TO										
Hospital	18	35	49	44	49	28	11	2	236	67-
Dormitory	2	3	7	24	40	26	14	1	117	33+
Total.....	20	38	56	68	89	54	25	3	353	
RECORD INDICATING HABITS.										
Recorded as intemperate.....	4	26	38	24	35	13	5	1	146	41+
Have had penal commitments...	1	10	13	14	17	7	.....	.....	62	18-
PREVIOUS PUBLIC RELIEF.										
Aided by Overseers of the Poor, Parents aided by Overseers of the Poor.....	5	10	19	25	34	22	10	3	128	36+
Inmate aided as a minor	3	1	.....	.....	.....	.....	.....	.....	4	1+
Inmate's minor children aided..	3	10	7	7	3	1	1	.....	32	9+
PHYSICAL CONDITION.										
Acute illness or accident	5	13	8	11	10	3	1	.....	51	14+
Chronic illness or old age.....	11	25	25	45	62	36	23	3	230	65+
Maimed, lame, blind, deaf, etc ..	1	.....	2	4	7	4	2	1	21	6-
MENTAL CONDITION.										
Some form of mental weakness.	6	6	3	6	2	7	4	1	35	10-
Insanity in one or both parents, Formerly in insane hospital...	.....	.....	1	1	.....	.....	.....	.....	2	1-
Developed insanity and com- mitted to asylum	1	1	.....	1	1	.....	.....	.....	4	1+
.....	1	.....	1	1	1	.....	1	1	6	2-

DATA CONCERNING **28 CHILDREN** ADMITTED TO THE
LONG ISLAND HOSPITAL DURING THE YEAR ENDED
JANUARY 31, 1901.

[The story of each child is indicated by asterisks (*).]

	Age.	Born at Long Island.	Born in other Institutions.	Admitted with Mother. Admitted at request of Trustees for Children.	Died.	Discharged.	Remaining.	Condition of Mother and Data concerning parents.	Condition of Child.	How Discharged.
1	7 yrs.	..	.....	.. *	..	..	*	.....	Chronic skin disease.	
2	1 yr.	..	.....	.. *	*	..	..	Father at one time insane; in almshouse in 1899. Specific disease. Grandmother died in almshouse.	Cause of death, pneumonia.	
3	14 yrs.	..	.....	.. *	..	*	..	.....	Chronic skin disease.	Trustees for Children.
†4	.....	*	.....	.....	*	..	..	.....	Congenital hydrocephalus; cause of death, hydrocephalus.	
†5	1 mo.	..	.....	* ..	*	..	..	Mother suffering from hemiplegia.	Poorly nourished when admitted; cause of death, marasmus.	
6	1 yr.	..	.....	* ..	..	*	..	.....	.....	With mother.
7	1 yr.	..	.....	* ..	..	*	..	.....	.....	With mother.
†8	3 mos.	..	State Hospital, Tewksbury..	* ..	..	*	..	.....	.....	With mother.
9	1 mo.	..	.....	* ..	*	..	..	.....	Died of malnutrition (well marked on admission), and general tuberculosis.	
10	5 yrs.	..	.....	.. *	..	*	..	Mother insane.	Hernia.	Trustees for Children.
†11	.....	*	.....	.....	..	*	..	.....	.....	With mother.
12	.....	*	.....	.....	*	..	..	Mother suffering from carcinoma of breast; died 4 wks. after birth of child.	Poorly nourished at birth; cause of death, inanition.	
13	6 yrs.	..	.....	.. *	..	*		.....	Skin disease.	Trustees for Children.

† Illegitimate.

DATA CONCERNING **28 CHILDREN** ADMITTED TO THE
LONG ISLAND HOSPITAL DURING THE YEAR ENDED
JANUARY 31, 1901. — *Continued.*

	Age.	Born at Long Island.	Born in other Institutions.	Admitted with Mother. Admitted at request of Trustees for Children.	Died.	Discharged.	Remaining.	Condition of Mother and Data concerning parents.	Condition of Child.	How Discharged.
14	1 yr.	..	.....	* .....	..	*	..	.....	Acute illness.	With mother.
15	.....	*	.....	.. .....	*	..	..	Mother suffering from advanced phthisis when admitted; died day following birth of child.	Premature birth; lived only a few hours.	
16	3 mos.	..	State Hospital, Tewksbury..	*	..	*	..	Mother now placed in Custodial Department, School for Feeble Minded, by Trustees of State Industrial School.	.....	Trustees for Children, with mother.
17	1 mo.	..	Weymouth Almshouse ..	*	..	..	*	Mother suffering from tuberculosis of hip; still in almshouse.	Rachitis, when admitted.	
18	.....	*	.....	.. .....	..	..	*	Mother in advanced phthisis when admitted; died 15 days after birth of child.		
19	12 yrs.	..	.....	* .....	..	*	..	.....	Injured knee.	Trustees for Children.
20	3 yrs.	..	.....	* .....	..	..	*	.....	Deformed, deaf, and idiotic.	
†21	.....	*	.....	.. .....	..	*	..	.....	.....	With mother.
†22	3 mos.	..	State Hospital, Tewksbury..	*	..	*	..	Mother thought to be "not bright." Grandfather in almshouse.	.....	With mother.
23	3 yrs.	..	.....	* .....	..	*	..	Mother admitted with advanced carcinoma of uterus; died 6 wks. later.	.....	Trustees for Children.
24	10 yrs.	..	.....	* .....	..	*	..	.....	In nervous condition; admitted for observation.	Trustees for Children.

† Illegitimate.

DATA CONCERNING **28 CHILDREN** ADMITTED TO THE
LONG ISLAND HOSPITAL DURING THE YEAR ENDED
JANUARY 31, 1901.— *Concluded.*

	Age.	Born at Long Island.		Born in other Institutions.		Admitted with Mother, Admitted at request of Trustees for Children.		Died. Discharged. Remaining.			Condition of Mother, and Data concerning parents.	Condition of Child.	How Discharged.
†25	.....	*	.....	.....	.....	.....	.....	..	*	..	Mother suffering from gonorrhoea when admitted. Ward of Trustees for children.	Healthy.	Trustees for Children, with mother.
26	11 mos.	..	.....	.....	*	.....	.....	*	..	..	Mother admitted with advanced phthisis; died in 3 wks.	Chronic tuberculosis when admitted; cause of death, inhalation pneumonia.	
27	2 mos.	..	.....	.....	*	.....	.....	*	..	..	Mother suffering from tuberculosis of hip.	Dysentery and malnutrition when admitted; cause of death, malnutrition.	
28	9 mos.	..	.....	.....	..	*	.....	..	..	*	Parents both insane.	Dysentery and malnutrition when admitted.	
		7	.....	.....	12	9	.....	8	15	5			

† Illegitimate.

ADMISSIONS TO LONG ISLAND IN THE YEAR 1900-1901
 COMPARED WITH SIMILAR ADMISSIONS IN 1891, AS
 STATED IN FINAL REPORT OF THE SPECIAL COMMIT-
 TEE APPOINTED BY THE MAYOR TO INSPECT THE
 PUBLIC INSTITUTIONS OF BOSTON. (DOCUMENT 122,
 1892.)

	Admitted First Time in 1891.	Admitted First Time in 1900.	Decrease	Per Cent. of Decrease.	Admitted in 1891 and also Previously.	Admitted in 1900 and also Previously.	Decrease.	Per Cent. of Decrease.	Total Admitted in 1891.	Total Admitted in 1900.	Decrease.	Per Cent. of Decrease.
Men.....	188	171	17	9%	303	123	180	59%	491	294	197	40%
Women..	255	210	45	18%	164	143	21	13%	419	353	66	16%
Total...	443	381	62	14%	266	266	201	43%	910	647	263	29%

In the report of the Special Committee, above referred to, is the following statement :

“The ten-day free-pass system, by which leave is obtained to visit the City, is in vogue in the Almshouses, and each inmate seems to consider it his right to demand a pass once a month if he so desires.

“During 1891, there were 1,501 passes given out to 779 individuals, 343 to women and 436 to men. More than one-half of these were used as discharges, but many of these persons returned and were readmitted during the year. This only partially represents the extent to which passes are used, since many one-day passes are given and never recorded on the books.

“The pass may have originally been intended to afford a chance to get work, but the records of the physicians are amply sufficient to show that it is now used nine times out of ten as an opportunity for a carouse, and for this purpose letters are written and received, money is saved or obtained through gifts, and appointments to meet in the City are sometimes made between men and women inmates. The greater proportion of inmates return showing signs of recent intoxication, and often in filthy condition, with clothes so dirty and torn that they must be burned. Everything that has been said proves the absolute need of the abolition of the free-pass system. It fosters the worst tendencies, and is extravagant and wasteful from every point of view.”

During the year 1900-'01 there were but 337 passes issued, a decrease of 78 per cent. from the year 1891.

LONG ISLAND HOSPITAL STATISTICS.

Movement of Population.

ADMISSIONS.	Male.	Female.	Total.
Inmates:			
Remaining in Hospital, Jan. 31, 1900...	79	145	224
Admitted during year	315	419	734
Born " "	5	2	7
Total	399	566	965
Others than inmates:			
Remaining in Hospital Jan. 31, 1900 (House of Reformation, boys).....	6	.....	6
Boys from House of Reformation ad- mitted	17	.....	17
* Other persons.....	6	3	9
Total	29	3	32
DISCHARGES.			
Inmates:			
Discharged during year	242	318	560
Died " "	71	118	189
Remaining Jan. 31, 1901	86	130	216
Total.....	399	566	965
Others than Inmates:			
Discharged	29	3	32
Total number treated in Hospital.....	428	569	997
" " " as out-patients.....	1,154	933	2,087

Maximum population, 242 ; minimum, 202 ; daily average, 223.

*These nine admissions of other persons were as follows:

- 1 workman from Fort Strong.
- 1 light-house corps workman.
- 1 workman from Spectacle Island.
- 3 officers from Rainsford Island.
- 1 matron " " "
- 1 female cook from Institution.
- 1 nurse, Medfield Asylum.

MEDICAL AND SURGICAL STATISTICS.

Classified according to the Nomenclature of Diseases as published by the Royal College of Physicians of London, and American Medical Association.

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
GENERAL DISEASES.											
Syphilis.....	16	20	28	64	....	43	3	2	1	49	15
Debility, general....	....	....	4	4	2	2	....	....	....	4	....
" senile ...	9	5	18	32	....	....	16	1	2	19	13
Arthritis, deformans	2	....	1	3	....	....	....	....	....	....	3
Lumbago .....	....	1	....	1	....	1	....	....	....	1	....
Rheumatism, acute..	....	6	2	8	6	1	....	....	....	7	1
" chronic,	9	10	8	27	....	11	3	....	2	16	11
Phthisis	36	80	34	150	....	40	22	27	21	110	40
Tuberculosis, gen- eral.....	....	2	1	3	....	....	....	2	....	2	1
Purpura rheumatica	....	....	2	2	1	....	....	....	....	1	1
Diabetes mellitus...	2	....	1	3	....	....	....	1	1	2	1
Gonorrhœal arthritis	1	1	....	2	....	2	....	....	....	2	....
Inanition.....	....	5	1	6	1	....	....	4	1	6	....
Pernicious anæmia..	....	....	1	1	....	....	....	....	1	1	....
Addison's disease...	....	....	1	1	....	....	1	....	....	1	....
Rhachitis .....	....	....	1	1	....	....	....	....	....	....	1
ACUTE INFECTIOUS.											
Malaria .....	....	4	1	5	5	....	....	....	....	5	....
Typhoid fever.....	1	1	....	2	2	....	....	....	....	2	....
Influenza.....	3	3	23	29	23	....	....	2	4	29	....
Erysipelas .....	....	1	4	5	3	....	....	....	1	4	1

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
CIRCULATORY SYSTEM.											
Mitral regurgitation	9	2	20	31	....	16	3	1	5	25	6
“ stenosis.....	1	....	1	2	....	1	....	....	1	2	....
Aortic regurgitation	....	6	4	10	....	2	1	4	2	9	1
“ stenosis.....	1	....	....	1	....	1	....	....	....	1	....
Myocarditis.....	2	1	2	5	....	3	....	1	1	5	....
Acute dilatation....	....	....	1	1	....	....	....	....	1	1	....
DISEASES DUE TO DRUGS.											
Morphine habit.....	1	1	1	3	2	....	....	....	....	2	1
Alcoholism.....	2	8	9	19	14	....	....	1	2	17	2
NERVOUS SYSTEM.											
Epilepsy	3	3	3	9	....	1	5	....	1	7	2
Hemiplegia	17	11	10	38	....	6	12	3	5	26	12
Multiple neuritis...	1	....	....	1	....	1	....	....	....	1	....
Paralysis agitans...	4	....	3	7	....	....	1	....	....	1	6
Multiple sclerosis ..	4	....	2	6	....	....	1	....	1	2	4
Tabes dorsalis.....	5	....	2	7	....	....	1	....	2	3	4
• Transverse Myelitis	1	2	4	7	....	....	1	....	....	1	6
Tri-facial Neuralgia	....	....	1	1	....	....	....	....	...	....	1
Cerebral abscess....	....	....	1	1	....	....	....	....	1	1	....
Neuroma .....	....	....	1	1	....	....	....	....	...	....	1
Sciatica	1	....	....	1	1	....	....	....	....	1	....
Chorea .....	....	....	1	1	....	....	1	....	....	1	....
Hysteria.....	1	....	1	2	....	1	....	....	....	1	1

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
Lateral sclerosis		1	....	1	....	....	1	....	....	1	....
Ant. Poliomyelitis.. . . .		1	....	1	....	....	1	....	....	1	....
Neurasthenia . . . . .		....	2	2	1	1	....	....	....	2	....
Aphasia		2	....	2	....	1	....	....	....	1	1
Little's disease.....		1	....	1	....	....	....	....	....	....	1
INTELLECT.											
Dementia	6	13	13	32	....	8	19	....	3	30	2
Idiocy	1	....	2	3	....	....	2	....	....	2	1
Gen. Paralysis	2	5	....	7	....	....	6	1	....	7	....
Melancholia . . . . .	....	1	....	1	....	1	....	....	....	1	....
Feeble-minded . . . . .	....	....	14	14	....	....	14	....	....	14	....
DISEASES OF FAUCES.											
Tonsillitis	4	4	1	9	9	....	....	....	....	9	....
Adenoids	1	1	....	2	2	....	....	....	....	2	....
Stomatitis . . . . .	....	....	3	3	3	....	....	....	....	3	....
LUNGS AND PLEURA.											
Bronchitis, acute... . .	....	2	....	2	2	....	....	....	....	2	....
“ chronic.	2	12	18	32	....	14	4	1	2	21	11
Asthma..... . . . .	....	1	1	2	....	....	....	1	1	2	....
Hydro-thorax	1	....	....	1	....	1	....	....	....	1	....
Pneumonia	12	7	10	29	7	....	....	7	14	28	1
Emphysema . . . . .	....	....	1	1	....	1	....	....	....	1	....
Pleurisy . . . . .	....	1	2	3	2	1	....	....	....	3	....
Ac. Odema of Lungs . . . .	....	1	3	4	....	....	....	1	3	4	....

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
DIGESTIVE SYSTEM.											
Diarrhœa, acute....	1	6	9	16	16	....	....	....	....	16	....
Diarrhœa, chronic..	....	1	1	2	....	2	....	....	....	2	....
Cancer of stomach..	1	3	3	7	....	....	....	3	4	7	....
Enteritis.....	3	1	8	12	4	2	....	....	6	12	....
Gastritis, acute.....	3	1	1	5	5	....	....	....	....	5	....
Ulcer of stomach...	....	....	1	1	....	....	....	....	....	....	1
Gastritis, chronic...	1	....	1	2	....	1	....	....	1	2	....
Cancer œsophagus..	....	1	....	1	....	....	....	1	....	1	....
Sarcoma mesentery..	....	....	2	2	....	....	....	....	2	2	....
LIVER.											
Cirrhosis.....	....	....	2	2	....	....	....	....	1	1	1
Chole-lithiasis.....	....	....	1	1	1	....	....	....	....	1	....
URINARY SYSTEM.											
Nephritis, chronic..	1	4	15	20	....	5	6	2	4	17	3
“ acute....	....	....	1	1	1	....	....	....	....	1	....
Uræmia.....	....	3	....	3	....	....	....	3	....	3	....
Retention of urine..	....	2	....	2	2	....	....	....	....	2	....
CUTANEOUS SYSTEM.											
Eczema.....	3	3	3	9	4	1	....	....	....	5	4
Dermatitis herpeti- formis.....	....	1	....	1	....	....	....	....	....	....	1
Impetigo.....	....	1	....	1	1	....	....	....	....	1	....
Pemphigus.....	....	....	1	1	....	....	....	....	....	....	1
Herpes Zoster.....	....	....	1	1	1	....	....	....	....	1	....
Melanoderma lenti- cularis progressiva,	1	....	....	1	....	....	....	....	1	1	....

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
Scabies .....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
DISEASES OF WOMEN.											
Cancer uteri.....	2	.....	10	12	.....	.....	2	.....	8	10	2
Mastitis.....	.....	.....	1	1	1	.....	.....	.....	.....	1	.....
Cystocele	1	.....	1	2	.....	2	.....	.....	.....	2	.....
Amenorrhœa.....	.....	.....	1	1	1	.....	.....	.....	.....	1	.....
Vaginitis.....	.....	.....	1	1	1	.....	.....	.....	.....	1	.....
Myoma .....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1
Endometritis.....	1	.....	1	2	2	.....	.....	.....	.....	2	.....
Carcinoma of breast,	2	.....	4	6	.....	.....	.....	.....	5	5	1
Pregnancy .....	.....	.....	4	4	3	.....	.....	.....	.....	3	1
Pelvic cellulitis.....	.....	.....	1	1	.....	1	.....	.....	.....	1	.....
Retroverted uterus..	.....	.....	2	2	1	1	.....	.....	.....	2	.....
EAR.											
Otitis media.....	.....	2	.....	2	1	.....	.....	.....	.....	1	1
EYE.											
Conjunctivitis, acute	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
Keratitis.....	.....	.....	2	2	2	.....	.....	.....	.....	2	.....
Iritis.....	1	.....	2	3	.....	2	1	.....	.....	3	.....
Optic atrophy.....	1	.....	.....	1	.....	.....	1	.....	.....	1	.....
Cataract	1	.....	1	2	.....	.....	1	.....	.....	1	1
Contusions.....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
Conjunctivitis, chronic .....	.....	.....	1	1	1	.....	.....	.....	.....	1	.....
Mucocele .....	.....	.....	1	1	.....	.....	1	.....	.....	1	.....

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
SURGICAL.											
Carcinoma, rectum.	1	....	1	2	....	....	....	....	2	2	....
Hæmorrhoids .....	....	2	1	3	3	....	....	....	....	3	....
Prolapse rectum ...	1	....	....	1	....	....	1	....	....	1	....
Ulcer, leg.....	8	7	17	32	11	6	....	....	....	17	15
“ varicose.....	....	1	2	3	1	1	....	....	....	2	1
Synovitis of knee...	....	2	....	2	1	....	....	....	....	1	1
Cellulitis, leg.....	1	....	....	1	1	....	....	....	....	1	....
Hernia, inguinal....	....	5	....	5	3	....	2	....	....	5	....
“ umbilical ..	....	1	....	1	1	....	....	....	....	1	....
Hip disease .....	....	3	2	5	....	....	2	....	....	2	3
Caries, spine.....	....	2	3	5	....	3	1	....	....	4	1
Phlebitis	1	2	....	3	1	2	....	....	....	3	....
Fistula-in-ano	1	6	....	7	....	1	4	....	....	5	2
Prepatella, bursitis.	....	....	1	1	1	....	....	....	....	1	....
Tubercular, sinus...	1	....	....	1	....	....	1	....	....	1	....
Osteo, myelitis.....	1	....	....	1	....	....	....	....	1	1	....
Tubercular, knee...	1	....	....	1	...	....	..	....	....	....	1
Ischio-rectal-abscess	1	1	1	3	1	2	....	....	....	3	....
Septic, leg.....	....	4	....	4	4	....	....	....	....	4	....
Cervical, abscess...	....	3	2	5	2	1	1	....	....	4	1
Axillary, “ ...	....	1	....	1	1	....	....	....	....	1	....
Necrosis of jaw.....	....	1	....	1	....	1	....	....	....	1	....
Gangrene.....	....	1	....	1	....	....	....	1	....	1	....
Tubercular, adenitis	....	1	....	1	....	....	....	....	....	....	1
Mediastinal, abscess,	....	1	....	1	....	....	....	....	....	....	1

[illegible]

DISEASES.	In Hospital, Jan. 31, 1900.	ADMITTED.			DISCHARGED.*			DIED.		Total.	In Hospital, Feb. 1, 1901.
		Male.	Female.	Total.	Well.	Relieved.	Unrelieved.	Male.	Female.		
FRACTURES.											
Radius.....			1	1	1					1	
Hip		1	1	2		1				1	1
Pott's fracture		1	1	2	1					1	1
Base of skull.....		1		1	1					1	
Ribs		2		2	2					2	
Clavicle.....		1		1	1					1	
Femur.....	7	1	8	16	3	1	1		4	9	7
Colles fracture.....	1	1	2	4	3	1				4	
Tibia	2	2		4	3	1				4	
Compound commi- nuted, both Tibia and Fibula.....		1		1							1
Humerus.....		1	1	2	2					2	
No disease.....	14	4	10	28	24					24	4
UNCLASSIFIED.											
Malingering.....			1	1	1					1	
Total	230	337	421	988	224	208	151	71	118	772	216

SURGICAL OPERATIONS.

Emphysema	2
Ulcer, leg	3
Cellulitis leg	1
Septic leg	3
Septic arm	1
Septic hand	1
Amputation leg	1
Amputation finger	1

Fracture radius	4
Pott's fracture	1
Fracture clavicle	1
Fracture femur	2
Fracture ribs	2
Fracture superior maxilla	1
Dislocation of humerus	2
Osteo-myelitis	1
Necrosis of jaw	1
Ischio rectal abscess	1
Cervical abscess	2
Axillary abscess	3
Tubercular adenitis	2
Mediastinal abscess	1
Furunculosis	2
Inguinal adenitis	1
Adenoids	2
Fistula-in-ano	1
Hemorrhoids	3
Phimosis	2
Enlarged prostate	1
Stricture of urethra	1
Hydrocele	1
Inguinal hernia	4
Synovitis of knee	1
Varicose veins	1
Wounds, scalp	2
Abscess and sinus of abdominal wall	1
Ascites	3
Carcinoma uteri	1
Retroverted uterus	2
Endometritis	2
Cystocele	1
Vesico-vaginal fistula	1
Lacerated cervix	1
Hypertrophied cervix	1
Lacerated perineum	2
Sarcoma of mesentery	2
Appendicitis	1
Neuroma of median nerve	1
Epithelioma forehead	1
Epithelioma nose	1
Ingrowing toe nail	1
Total	81

OBSTETRICAL REPORT.

	Male.	Female.	Total.
Number of children born.....	5	2	7
Position, L. O. A.....	4	2	6
Position, R. O. A.....	1	.....	1
Illegitimate.....	2	2	4
Version.....	1	.....	.....
NATIVITY OF MOTHERS.			
United States.....	4	.....	.....
Ireland.....	1	.....	.....
England.....	2	.....	.....

*Chapter 395 of the Acts of 1897, as Amended by Chapter 451
of the Acts of 1897.*

AN ACT TO ESTABLISH SEPARATE DEPARTMENTS OF THE CITY OF
BOSTON FOR THE CARE OF CHILDREN, PAUPERS, INSANE PER-
SONS AND CRIMINALS.

Be it enacted, etc., as follows :

SECTION 1. The Children's Institutions Department, the Pauper Institutions Department, the Insane Hospital Department and the Institutions Registration Department, of the City of Boston, are hereby created as departments of said City, and shall be under the charge of the officers herein designated therefor. Said officers shall be citizens or taxpayers of said City, and shall be appointed by the mayor of said City without confirmation by the board of aldermen. The provisions of chapter two hundred and sixty-six of the Acts of the year eighteen hundred and eighty-five, and of all other acts relating to the departments of the City of Boston, or the officers or employees thereof, except as otherwise herein provided, shall be applicable to said departments and the officers and employees thereof.

SECT. 2. Each of said departments, except the Institutions Registration Department, shall be under the charge of a board of seven trustees, at least two of whom shall always be women; during the current year one of said trustees for each of said departments shall be appointed for the term of five years, two for the term of four years, one for the term of three years, two for the term of two years and one for the term of one year, beginning with the first day of May in the year eighteen hundred and ninety-seven; and hereafter in the year in which any term or terms shall expire a trustee or trustees shall be appointed for the term of five years, beginning with the first day of May in the year of appointment; any vacancy occurring among said trustees shall be filled by appointment of a trustee as aforesaid for the remainder of the term. Said trustees shall serve without compensation, but all expenses reasonably incurred by them in the performance of their duty shall be paid by said City if approved by a recorded vote of the board of which the trustee incurring such expense is a member. They shall organize on the first Monday of May in each year, or as soon thereafter as may be, by the choice of a chairman who shall be one of their number, and of a secretary who may or may not, at their discretion, be one of their number. No such trustee, nor any person in the employ of any of said trustees or departments shall be interested in a private capacity, directly or indirectly, in any contract or agreement for labor or for articles furnished for any of said departments.

SECT. 3. The board of trustees for the Children's Institutions Department shall be known as the trustees for children, and shall have, exercise and perform all the powers and duties relating to children, or to any institution or place in which they are confined or detained or cared for, including the house of Reformation, now conferred by the statutes of this Commonwealth upon the institutions commissioner of the City of Boston, except as to children lawfully committed to or detained in institutions established for the care and custody of the adult insane paupers and criminals.

SECT. 4. The board of trustees for the Pauper Institutions Department shall be known as the pauper institution trustees, and, except as otherwise provided by section three of this act, shall have, exercise and perform all the powers and duties relating to poor and indigent persons, or to any institution or place in which they are confined or detained or cared for, now conferred by the statutes of this Commonwealth upon the institutions commissioner of the City of Boston.

SECT. 5. The board of trustees for the Insane Hospital Department shall be known as the insane hospital trustees, and shall have the general care and control of the Boston lunatic hospital established by the City of Boston under the provisions of chapter one hundred and thirty-one of the Acts of the year eighteen hundred and thirty-nine, and all other hospitals that said City has established, or may hereafter establish, for the care or treatment of the insane, and the same shall hereafter be known as the Boston insane hospital; and said trustees shall have all the powers relating to the insane and to the institutions in which they are confined, conferred by the statutes of the Commonwealth upon the institutions commissioner of the City of Boston.

SECT. 6. The Institutions Department of the City of Boston shall hereafter be styled the Penal Institutions Department, and the institutions commissioner shall hereafter be styled the penal institutions commissioner, and he shall continue to have, exercise and perform all the powers and duties now conferred by the statutes of this Commonwealth upon the institutions commissioner of the City of Boston not conferred by this act upon any other officer or board of trustees. The penal institutions commissioner may, with the approval of said mayor, appoint one assistant.

SECT. 7. The Institutions Registration Department shall be under the charge of the institutions registrar, who shall investigate all questions relating to the settlement of paupers, to the commitment of the insane, or to the agency for discharged prisoners, or to any rights, duties or liabilities connected therewith, and report thereon to the department interested therein; and shall perform such services relating to the accounts and to the collection, registration and tabulation of statistics relating to said departments, or any of them, as may be required of him by said mayor or by the officer or trustees in charge of any of said departments, with the approval of said mayor. Said registrar shall receive an annual salary of three thousand dollars, or such other salary as may be fixed by ordinance.

SECT. 8. Said mayor shall quarterly, in the months of June, September, December and March, and at such other times and at such places as he shall appoint, hold conferences, at which may be present said penal institutions commissioner, said institutions registrar, two members of each of the aforesaid boards of trustees, to be selected by such boards severally, and two members of the board of overseers of the poor, to be selected by such board, to consider any subjects relating to the work of said departments, or of any two or more of them, or to the co-ordination of such work, and at said conferences said mayor shall preside.

SECT. 9. The City of Boston may take and hold any real or personal property which may be given, granted, bequeathed or devised to and accepted by it for the benefit of any one or more of said departments or of the persons under the care thereof. Such property or the income thereof shall be used, applied and disposed of according to the lawful directions of the donor thereof, by the officers in charge of such department or departments.

SECT. 10. Any officers or employees of the Institutions Department of the City of Boston, whose tenure of office or position may be affected by this act or the carrying out thereof, may be appointed to similar positions in said City at any time within six months of the passage of this act, without civil service examination or enrolment.

SECT. 11. No veteran holding an office in the Institutions Department of the City of Boston shall be removed or suspended, or shall, without his consent, be transferred from such office or employment, except after a full hearing before the mayor, and at such hearing the veteran shall have the right to be present and to be represented by counsel. Such removal, suspension or transfer shall be made only upon the written order of the mayor. [*Approved May 13, 1897.*]



ANNUAL REPORT
OF THE
PENAL INSTITUTIONS DEPARTMENT
FOR THE YEAR 1900-1901.

PENAL INSTITUTIONS DEPARTMENT,
32 TREMONT STREET, BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR,—In accordance with Chapter 3, Section 24, of the Revised Ordinances, I respectfully present the report of the Penal Institutions Department for the year ending January 31, 1901.

The present Commissioner succeeded Mr. Ernest C. Marshall, March 6, 1900. Mr. Charles F. R. Foss succeeded Mr. Thomas Francis Hunt as Assistant Commissioner, May 1, 1900.

The institutions of this Department are the Houses of Correction at Deer Island and South Boston. The work of these institutions has been well done; both the physical and moral wants of the inmates have received constant attention, and every consideration consistent with the correctional character of these Houses of Correction has been given them. It is only fair to the Department to say that every prisoner has been treated in a humane manner.

There are employed in this Department 156 men and 52 women. Of this number, 7 men and 2 women are employed in the office, beside the Commissioner and his assistant.

At the House of Correction, Deer Island, there are employed 1 Master, 1 Deputy Master, 78 men, and 32 women ; at the House of Correction, South Boston, 1 Master, 1 Deputy Master, 54 men and 17 women ; on the steamer J. Putnam Bradlee, 1 Captain, 10 men, and 1 woman.

DISCIPLINE.

The object of a House of Correction is to reclaim the law-breaker, both for the good of the community and for the individual good of the inmate, that he may become a useful, law-abiding citizen. Discipline in such an institution must be firm, and not severe. All rules must be obeyed, and in the institutions of this Department are such that it is not a difficult matter to obey them. When the prisoner disobeys any of these rules he is punished. Punishment consists in depriving the offender of some minor privilege and in solitary confinement. Most prisoners are tractable, and inclined to obey the rules, thereby earning, by their good conduct, the rebate from the length of sentence which the law provides. Some prisoners persist in breaking the rules and are consequently punished, thereby increasing the aggregate number of punishments. The report of these punishments is encouragingly less, and to those who are interested in the welfare of the prisoners it is a sign of their reformation.

The masters and officers connected with these institutions have been instructed to see that the prisoners are treated in a fair and humane manner at all times.

PROBATION.

Three hundred and twenty-seven permits to be at liberty have been granted through this office during the past year. Five prisoners who have been released by the Commissioner on permits to be at liberty, have had the permits revoked because of violation of the conditions of their release. The number of revocations of release is encouragingly low, and is due, no doubt, to the thorough investigation of all cases brought to our notice, and the confidence we feel in their reformation before the cases are presented to the court.

WOMEN IN PRISON AND THEIR REFORM.

Plans for a women's prison, to be built on Deer island, are now being drawn. It is proposed to have separate cells, in place of dormitories, laundry, work-rooms, and chapel in the

one building. By this arrangement the proper classification of women inmates will be obtained and a complete separation from the men prisoners will follow.

The housing of the women at night in separate cells instead of in dormitories promises much in the way of reformation, as the persistent offender, by this means, can be kept apart more effectually from the casual one, thereby lessening the chances of contamination by evil influences.

Mrs. Florence Garrettson Spooner still continues her missionary work among the women at the South Boston House of Correction with excellent results. The association with so high minded and ardent a worker for their good cannot but produce the best results. I thank her most heartily for her efforts in their behalf.

AID FOR DISCHARGED PRISONERS.

The work of the Agents for Discharged Prisoners is very important, and, considering the limited amount of money placed at our disposal, the results are very satisfactory.

The object of this aid is to give relief to prisoners upon their discharge, and to help them to become self-supporting and self-respecting. Many of these men and women are destitute when released, and, having neither home nor friends, might become again public charges if it were not for the timely aid given by this Department. This aid consists in supplying clothing, when necessary, providing food and lodging while waiting for employment, transportation when home and friends are outside of Boston, procuring employment, when it is possible, and in other ways encouraging and helping these men and women. The reports of the Agents for Discharged Prisoners, which are appended, show in detail the work performed by them.

DEER ISLAND.

Many improvements have been made on this island, the effect of which will be more or less permanent.

Addition to the Hospital.

The new wards of the hospital are nearing completion, and it is hoped that they will be ready for occupancy by May 1. An improved system of ventilation, heating, and plumbing has been provided for this addition, which will be used for contagious diseases. A fully equipped operating room has been provided for the needs of the patients, which, in point

of light and general equipment is second to none in any institution. When this addition is completed the County of Suffolk will have a first class institution hospital.

Electric Lighting.

Recognizing the advantages to be derived from electric lighting, both on the ground of greater immunity from fire and a steadier, brighter light for the use of the inmates when in their cells, the Commissioner has had a new switch-board installed, large enough to connect any part of the island with the electric plant, the old one being much too small for present and future uses. It is his desire to have every building on this island lighted by electricity

Wharf.

It is essential for general safety that the wharf at Deer Island be put in proper condition. Many of the piles have rotted, and the entire wharf needs overhauling. This will be done as soon as the necessary appropriation is forthcoming. Repairs should be made at once in order to avoid danger.

Sea - Wall.

The sea-wall, which was destroyed in the storm of November, 1898, is being repaired.

Water Service.

A 12-inch water main has been laid across Shirley Gut during the past summer, connecting the island with the main land, thereby insuring a sufficient flow of water for the uses of the institution and in case of fire.

CHANGES IN OFFICERS AT DEER ISLAND.

There have been a number of changes among the officers at Deer Island, the more important ones being as follows :

Lorenzo D. Perkins, appointed to the position of Deputy Master on September 19, 1900, in place of George W. Shepardson, who was removed September 10, 1900.

Dr. Alfred A. Taft, appointed to the position of Physician at the Deer Island Hospital, on May 1, 1900, to succeed Dr. Thomas F. Roche, who died April 8, 1900.

Dr. James R. Black, appointed to the position of Assistant Physician at the Deer Island Hospital, on August 1, 1900.

INCREASE IN THE PER CAPITA EXPENSE.

An increase per capita of fifty cents a week is more apparent than real for the following three reasons :

First. — The number of inmates at Deer Island has been less the past year than previously, though the cost of running the institution remains the same as heretofore.

Second. — Owing to the passage of the law requiring that sixty hours constitute a week's labor for officers, etc., it has been necessary to increase the working force at this institution.

Third. — There have been a number of needed permanent improvements made in buildings, hospital, etc., all of which tend to increase the per capita expense. These improvements have been paid for out of the regular appropriations rather than by special loan.

HOUSE OF CORRECTION, SOUTH BOSTON.

A bill was passed by the Legislature authorizing the removal of the House of Correction at South Boston to Deer Island. This will be done as soon as the necessary appropriations are made.

Very few improvements have been made here for some time on account of the agitation for the removal of this plant. The buildings at South Boston are old, and the cells are entirely too small for present-day ideas concerning the treatment of prisoners. That the cells are too small has been the contention of several of my predecessors for many years past, and, I feel, as they did, that it is detrimental to the health of the inmates to keep them locked up in such small cells.

There are many advantages to be derived from the transferring of this institution to Deer Island, chief among which will be the improved condition in the housing of the men and the opportunity offered for out-of-door work.

STEAMER J. PUTNAM BRADLEE.

The J. Putnam Bradlee has been in commission for the past twenty-five years, both winter and summer, doing the institution work among the islands in the harbor.

Each year the cost for repairs and overhauling amounts to several thousand dollars. The expense alone for boat hire and repairs during the last fifteen years has exceeded the original cost of the boat. It seems to me expedient that a

new and more modern boat should be furnished the Department if for no other reason than for economy.

A new building, containing receiving rooms for prisoners, freight shed, and general office, has been erected on Eastern avenue wharf. This fills a long-felt want, especially in the receiving of prisoners.

In conclusion, I wish to thank all who have been associated with me in the conduct of the work of this Department.

Respectfully,

PETER MORRISON,

Commissioner.

APPENDIX.

RELEASES ON PERMIT TO BE AT LIBERTY.

(Arranged by Institutions.)

	RELEASES GRANTED.		
	Male.	Female.	Total.
Suffolk County Jail.....	6	1	7
House of Correction, South Boston	16	4	20
House of Correction, Deer Island.....	249	51	300
Total	271	56	327

(Arranged by Courts.)

COURT.	Male.	Female.	Total.
Central.....	80	15	95
South Boston	95	27	122
Charlestown	21	5	26
East Boston.....	19	2	21
Roxbury.....	25	2	27
Dorchester.....	4	.....	4
Brighton	7	.....	7
West Roxbury.....	4	.....	4
Chelsea.....	13	3	16
Superior	3	2	5
Total	271	56	327

EXPENDITURES FOR YEAR ENDING JANUARY 31, 1901.

Office Expenses.

Salaries :

Ernest C. Marshall, Commissioner	\$916 67	
Peter Morrison, " "	4,083 33	
Thos. F. Hunt, Ass't " "	833 33	
Chas. F. R. Foss, " "	1,666 67	
Hubert Pope, Secretary . .	2,500 00	
Employees	9,503 97	
		\$19,503 97
Transportation		510 32
Food and lodgings		358 20
Clothing, etc.		232 18
Gratuities, etc.		88 16
Tools, etc.		76 30
Office fees		14 75
Freight		5 43
Telephones		281 79
Furniture and office expenses		268 27
Printing		254 70
Postage		184 40
Stationery		182 84
Horse-keeping		8 50
Total, ...		<u>\$21,969 81</u>

HOUSE OF CORRECTION, DEER ISLAND.

Salaries and wages :

James R. Gerrish, Master . .	\$2,500 00	
Employees	48,537 88	
		\$51,037 88
Food		48,075 55
Ice		124 25
Clothing		8,320 11
Bedding		2,344 20
Furniture and household supplies		3,956 90
Fuel		13,233 94
Light :		
Electric lights	\$4,832 10	
Gas, coal and lime	532 67	
Oils	248 81	
		5,613 58
Medical and surgical supplies . .	2,385 99	
Liquors	421 63	
		2,807 62
Carried forward		\$135,514 03

PENAL INSTITUTIONS DEPARTMENT.

9

<i>Brought forward</i>	.	.	.	.	.	\$135,514 03
Printing	.	.	.	.	.	548 16
Advertising	.	.	.	.	.	81 14
Stationery	.	.	.	.	.	139 82
Postage	.	.	.	.	.	255 00
Religious services	.	.	.	.	.	2,416 27
Instruction and amusement :						
Entertainment of inmates	.	.	.	.	.	\$94 53
Library and school supplies	.	.	.	.	.	153 80
						248 33
Disinfectants	.	.	.	.	.	437 37
Repairs and improvements	.	.	.	.	.	13,885 70
Agricultural	.	.	.	.	.	3,378 80
Freight	.	.	.	.	.	62 62
Transportation	.	.	.	.	.	40 20
Tobacco	.	.	.	.	.	234 08
Soap and laundry supplies	.	.	.	.	.	1,018 93
Telephone service	.	.	.	.	.	234 69
Total	.	.	.	.	.	<u>\$158,495 14</u>

HOUSE OF CORRECTION, SOUTH BOSTON.

Salaries and wages :						
John C. Whiton, Master	.	.	.	.	.	\$2,500 00
Employees	.	.	.	.	.	32,028 63
						\$34,528 63
Food	.	.	.	.	.	29,853 21
Ice	.	.	.	.	.	776 93
Clothing	.	.	.	.	.	5,089 39
Bedding	.	.	.	.	.	441 68
Furniture and household supplies	.	.	.	.	.	1,346 53
Fuel	.	.	.	.	.	6,380 71
Light :						
Gas	.	.	.	.	.	\$94 50
Gas, coal and lime	.	.	.	.	.	886 78
Oils	.	.	.	.	.	4 89
						986 17
Medical and surgical supplies	.	.	.	.	.	\$587 48
Liquors	.	.	.	.	.	14 90
						602 38
Printing	.	.	.	.	.	114 21
Advertising	.	.	.	.	.	31 57
Stationery	.	.	.	.	.	100 56
Postage	.	.	.	.	.	139 00
Religious services	.	.	.	.	.	1,542 70
<i>Carried forward</i>	.	.	.	.	.	\$81,933 67

<i>Brought forward</i>	.	.	.	.	.	\$81,933	67
Instruction and amusements:							
Entertainment of inmates	.	.	.	.	\$230	85	
Library and school supplies	.	.	.	.	90	76	
							321 61
Disinfectants	.	.	.	.	.	.	332 06
Repairs and improvements	.	.	.	.	.	.	2,514 04
Agricultural	.	.	.	.	.	.	1,048 65
Freight	.	.	.	.	.	.	11 04
Transportation	.	.	.	.	.	.	30
Soap and laundry supplies	.	.	.	.	.	.	655 16
Telephone services	.	.	.	.	.	.	128 13
Water	.	.	.	.	.	.	44 90
Gratuities	.	.	.	.	.	.	216 50
Total	.	.	.	.	.	.	\$87,206 06

STEAMER J. PUTNAM BRADLEE.

[illegible]

RECAPITULATION OF EXPENDITURES, 1900 AND 1901.

Office expenses	.	.	.	.	.	\$21,969	81
House of Correction, Deer Island	.	.	.	.	.	158,495	14
House of Correction, South Boston	.	.	.	.	.	87,206	06
Steamer J. Putnam Bradlee	.	.	.	.	.	19,997	09
						\$287,668	10

STATEMENT OF ACCOUNTS RENDERED ON ACCOUNT OF INCOME,
1900 AND 1901.

House of Correction, Deer Island	.	.	.	\$3,761	86
House of Correction, South Boston	.	.	.	748	27
Steamer J. Putnam Bradlee	.	.	.	25	00
				\$4,535	13

SOURCES FROM WHICH THESE ACCOUNTS HAVE BEEN DERIVED.

House of Correction, Deer Island.

Sale of —	
Barrels	\$223 49
Board	1,123 94
Bones and grease	261 42
Carting	2 00
Cloth	10 37
Coal	45 89
Cow	30 00
Hay	24 20
Hides	7 00
Ice	1 00
Milk	8 40
Old metal	2 50
Pigs	1,121 00
Prison labor	44 25
Rags	41 02
Teaming	35 00
Vegetables	780 28
Vinegar	10
	\$3,761 86

House of Correction, South Boston.

Sale of —	
Bags	\$4 26
Barrels	209 80
Bones and grease	384 67
Cases	40 20
Coal-tar	16 50
Rags	92 84
	\$748 27

Steamer J. Putnam Bradlee.

Transporting goods	\$25 00

Recapitulation.

House of Correction, Deer Island	\$3,761 86
House of Correction, South Boston	748 27
Steamer J. Putnam Bradlee	25 00
	\$4,535 13

INDUSTRIES, 1900 AND 1901.

Expenditures, Account of Machinery and Materials for Manufacturing at House of Correction, Deer Island.

Stone Department :

Labor	\$2,580 00	
Stone	12,869 74	
Freights	1,741 20	
Tools, etc.	621 80	
Advertising	58 22	
		\$17,870 96

All other Industries :

Labor	\$3,200 00	
Material	15,996 99	
Commissions	398 14	
Carting and freight	194 32	
Stationery	34 95	
		19,823 40
		<u>\$37,694 36</u>

Expenditures, Account of Machinery and Materials for Manufacturing at House of Correction, South Boston.

Labor	\$1,907 33
Materials	49,210 00
Carting and freight	33 60
	<u>\$51,150 93</u>

Recapitulation of Expenditures, 1900 and 1901.

House of Correction, Deer Island, machinery and materials	\$37,694 36
House of Correction, South Boston, machinery and materials	51,150 93
Total	<u>\$88,845 29</u>

ACCOUNTS RENDERED.

Accounts, Machinery and Materials for Manufacturing, House of Correction, Deer Island.

Cane shop	\$42 11
Printing Department	756 87
Shoe shop	2,258 45
Clothing Department	16,318 68
Stone Department	26,749 30
	<u>\$46,125 41</u>

HOUSE OF CORRECTION, SOUTH BOSTON.

Clothing Department	\$53,422 21
Hosiery Department	3,539 16
Broom Department	787 55
	\$57,748 92

Recapitulation.

House of Correction, Deer Island, machinery and materials	\$46,125 41
House of Correction, South Boston, machinery and materials	57,748 92
Total	\$103,874 33

Comparison of accounts rendered on account of machinery and materials for manufacturing:

	EXPENDITURES FOR TWELVE MONTHS.		Increase.	Decrease.
	Ending Jan. 31, 1900.	Ending Jan. 31, 1901.		
House of Correction, D. I., M. and M. for manufacturing.....	\$64,244 72	\$37,694 36	.....	\$26,550 36
House of Correction, So. Boston, M. and M. for manufacturing....	40,823 87	51,150 93	\$10,327 06	
Totals.....	\$105,068 59	\$88,845 29	\$10,327 06	\$26,550 36

Comparison of accounts on account of income machinery and materials for manufacturing for 1900 and 1901:

	ACCOUNTS RENDERED FOR YEAR.		Increase.	Decrease.
	Ending Jan. 31, 1900.	Ending Jan. 31, 1901.		
House of Correction, D. I., M. and M. for manufacturing.....	\$69,240 12	\$46,125 41	.....	\$23,114 71
House of Correction, So. Boston, M. and M. for manufacturing....	51,104 28	57,748 92	\$6,644 64	
Totals.....	\$120,344 40	\$103,874 33	\$6,644 64	\$23,114 71

Comparison of expenditures for years ending January 31, 1900 and 1901 :

	EXPENDITURES FOR TWELVE MONTHS.		Increase.	Decrease.
	Ending Jan. 31, 1900.	Ending Jan. 31, 1901.		
House of Correction, Deer Island	\$152,353 79	\$158,495 14	\$6,141 35	
House of Correction, South Boston	83,502 80	87,206 06	3,703 26	
Office expenses	21,886 72	21,969 81	83 09	
Steamer J. Putnam Bradlee	18,396 74	19,997 09	1,600 35	
Totals	\$276,140 05	\$287,668 10	\$11,528 05	

Comparison of accounts rendered on account of income for years ending January 31, 1900 and 1901 :

	ACCOUNTS RENDERED FOR YEAR.		Increase.	Decrease.
	Ending Jan. 31, 1900.	Ending Jan. 31, 1901.		
House of Correction, Deer Island	\$3,821 28	\$3,761 86	.....	\$59 42
House of Correction, South Boston	778 90	748 27	.....	30 63
Steamer J. Putnam Bradlee	101 50	25 00	.....	76 50
Totals	\$4,701 68	\$4,535 13	.....	\$166 55

Cost of conducting Department for year ending January 31, 1901 :

	Expended.	Net Income.	Net cost
House of Correction, Deer Island	\$158,495 14	\$13,581 78	\$144,913 36
House of Correction, South Boston	87,206 06	7,676 42	79,529 64
Office expenses	21,969 81	.....	21,969 81
Steamer J. Putnam Bradlee	19,997 09	1 50	19,995 59
Totals	\$287,668 10	\$21,259 70	\$266,408 40

Average number of inmates for years ending January 31, 1900, and January 31, 1901:

	1900.	1901.	Increase.	Decrease.
House of Correction, Deer Island	1,167	994	.....	173
House of Correction, South Boston....	473	501	28	.
Totals	1,640	1,495	28	173

Average expenditures for and net cost per inmate for year ending January 31, 1900:

	EXPENDITURES.		NET COST.	
	Per Year.	Per Week.	Per Year.	Per Week.
House of Correction, Deer Island	\$159 45	\$3 07	\$145 79	\$2 80
House of Correction, South Boston...	174 06	3 35	158 74	3 05

REPORT OF AGENT FOR DISCHARGED MALE PRISONERS.

BOSTON, February 1, 1901.

PETER MORRISON, ESQ.,

Penal Institutions Commissioner, Boston :

DEAR SIR, — I hereby offer my annual report as Agent for Discharged Male Prisoners for the year ending January 31, 1901 :

Since assuming office I have made weekly visits to our institutions at South Boston and Deer Island, and have listened to those applicants for pardons, to those who have been released I have furnished clothing, tools, transportation, gratuities, food and lodging, obtained work for some, and in a few other cases got men reinstated with their employers, and in various other ways have held out a helping hand to these unfortunates, trying to let them see that the Commissioner is their friend, who desires to help those that help themselves in their endeavors in getting a start towards becoming honest and respectable citizens.

Please find below a table of my expenditures, with a list of those aided during the year :

Cost of clothing	.	.	.	.	\$59.57	for	55	men
“ tools	.	.	.	.	33.94	“	27	“
“ transportation	.	.	.	.	85.38	“	68	“
“ gratuities	.	.	.	.	61.35	“	59	“
“ 415 lodgings and 963 meals	.	.	.	.	242.25	“	202	“
“ car-fares	.	.	.	.	64.95			
Total expenditure	.	.	.	.	\$547.44			
Pardons obtained for	.	.	.	.	.	.	125	men
Work “ “	.	.	.	.	.	.	23	“
License “ “	.	.	.	.	.	.	1	“
Readmittance obtained for	.	.	.	.	.	.	1	“
Total number aided	.	.	.	.	.	.	561	men

In closing, I wish to thank you, sir, and Assistant Commissioner Foss, for courtesies and advice, also the various members of this and the Registration Department for the many suggestions so kindly extended.

Respectfully submitted,

CHARLES A. BANCROFT,

Agent.

REPORT OF AGENT FOR DISCHARGED FEMALE PRISONERS.

February 1, 1901.

MR. PETER MORRISON,

Penal Institutions Commissioner:

DEAR SIR,—I respectfully submit herewith my annual report as Agent for Discharged Female Prisoners for the year ending February 1, 1901.

During the past twelve months I have visited the House of Correction at Deer Island, under your charge, once a week, and have interviewed all the women prisoners who desired to speak with me,—some of them in relation to obtaining pardons, others concerning clothing in pawn or articles in storage, and still others in regard to obtaining employment on their release.

Through the kindness of the Commissioner in allowing me to furnish these women with clothing when released and means of conveyance to their homes or to places of employment, much good has resulted.

Many of these women are homeless, and practically destitute on release. Necessary articles of clothing are furnished those in need by this Department, and many are taken charge of and kindly cared for until employment is obtained for them, or until they can be sent to their homes.

In redeeming pawned clothing only the very worthy cases are taken up.

In obtaining employment for these women the endeavor has been made to provide work in places outside the City and away from their old associations. It has been found that they generally do better in such places, where they are away from temptation, and are thus given a better opportunity to reform. Many of these women write to me from time to time, and I am thus kept informed of the progress they are making towards leading a better and more useful life.

An especial interest has been taken in the placing at work of women with babies. In looking for positions for this class an effort is always made to find places for them where their babies will be allowed to accompany them.

Acting under the direction of the Commissioner, the pardons of fifty-two women have been obtained.

I desire to extend my thanks to the Commissioner for the many acts of consideration and kindness shown me in my work, to the probation officers of the different courts for courtesies received, and to the agents of the railroad offices for delivering baggage free of storage and for forwarding packages without cost of transportation.

The following is a statement of those assisted during the twelve months ending January 31, 1901 :

Number advised and assisted in various ways.....	1,252
“ interviewed at boat.....	1,048
“ furnished meals.....	430
“ furnished conveyance to their homes or to employment in this or other States.....	412
“ furnished clothing,.....	107
“ sent to temporary homes.....	70
“ gratuities.....	92
“ for whom pawns were paid.....	13
“ for whom pardons have been obtained.....	52
“ of storage charges paid.....	40
“ for whom employment has been obtained.....	125
“ of express charges paid.....	17
“ sent to House of the Good Shepherd.....	2

The following are the expenditures for the year ending January 31, 1901 :

Amount paid for clothing.....	\$130 24
“ “ “ car-fares.....	125 25
“ “ “ meals.....	65 30
“ “ “ board and lodging at temporary homes.....	46 03
“ “ “ gratuities.....	38 27
“ “ “ pawns.....	12 71
“ “ “ transportation.....	12 09
“ “ “ employment fees.....	11 25
“ “ “ storage.....	5 80
“ “ “ expressing.....	3 20
“ “ “ incidental expenses.....	2 35
Total.....	<u>\$452 49</u>

Respectfully submitted,

KATHERINE BERRAN,

Agent for Discharged Female Prisoners.

HOUSE OF CORRECTION, SOUTH BOSTON.

COUNTY OF SUFFOLK, HOUSE OF CORRECTION.

SOUTH BOSTON, February 1, 1901.

PETER MORRISON, ESQ.,

Penal Institutions Commissioner:

DEAR SIR, — I have the honor to submit the annual report for the year ending with January 31, 1901.

As compared with the preceding year there has been a marked uniformity in the number of commitments and discharges with a slight increase in the daily average, as will be seen by the figures below:

Committed.	Males.	Females.	Total.
1899-1900	588	167	755
1900-1901	587	188	775
Daily average.	Males.	Females.	Total.
1899-1900	410	63	473
1900-1901	428	73	501

The broom industry, which was suspended last year, has been resumed, manufacturing brooms for other County and State Institutions. The stocking industry continues, and gives employment to some twenty-five men.

With a different instructor the school continues with good results, as do also the calisthenic drill and yard exercise.

Important repairs were made upon the roofs and chimneys of the old Lunatic Hospital Building; also many minor repairs throughout the various departments.

Considering the dry season, the garden and orchard were productive.

Fourteen thousand three hundred and eighty pounds of pork was slaughtered.

A Legislative Act of 1900, that "the hours of labor for employees of Jails and Houses of Correction, shall not exceed sixty hours a week," required an addition to our force of officers and matrons of eleven men and two women.

To the customary tables and reports, which are appended, I would invite your attention.

Grateful for your earnest co-operation and kindly counsel, I am,

Very respectfully,

JOHN C. WHITON,

Master.

INVENTORY OF PROPERTY ON HAND FEBRUARY 1, 1901.

Agricultural		\$1,973 57
Clothing, male	\$1,263 87	
Clothing, female	284 13	
		1,548 00
Engineer's Department		492 97
General care, inmates	\$1,664 42	
General care, officers	709 07	
		2,373 49
General expense		4,895 26
Hospital		936 45
Laundry		112 71
Manufacturing Department		11,610 33
Repair shop		306 44
School		213 80
Store		4,269 68
Subsistence, inmates	\$916 07	
Subsistence, officers	51 12	
		967 19
Subsistence, subsidiary		636 86
		<u>\$30,336 75</u>

VALUATION OF LAND AND BUILDINGS.

Land.

Flats, 1,310,710 feet, at 2 cents	\$26,214 20	
Upland, 631,700 feet, at 20 cents	126,340 00	
		\$152,554 20

Buildings.

Hospital	\$10,000 00	
Cottage and stable	5,000 00	
Prison	50,000 00	
Office and workshops	25,000 00	
Chapel	15,000 00	
Sheds	1,500 00	
Piggery and laundry	8,000 00	
Gas-house	1,000 00	
Master's house	10,000 00	
Stable	3,000 00	
		128,500 00
Total		<u>\$281,054 20</u>

STATISTICAL TABLES.

TABLE NO. 1.

Showing Population for the Year ending January 31, 1901.

	Males.	Females.	Total.
Remaining January 31, 1900.....	430	65	495
Committed by courts.....	582	188	770
Revoked permit by Prison Commissioners	4	.....	4
Returned from escape.....	1	.....	1
Total	1,017	253	1,270
Discharged.....	618	187	805
Remaining January 31, 1901.....	399	66	465

TABLE NO. 2.

Showing Number of Prisoners Received each Month.

	Males.	Females.	Total.
Remaining January 31, 1900.....	430	65	495
Received in February, 1900.....	61	18	79
“ “ March, “	46	27	73
“ “ April, “	68	23	91
“ “ May, “	63	21	84
“ “ June, “	40	12	52
“ “ July, “	38	11	49
“ “ August, “	36	6	42
Carried forward.....	782	183	965

TABLE NO. 2.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	782	183	965
Received in September, 1900	40	6	46
“ “ October, “	59	13	72
“ “ November, “	46	9	55
“ “ December, “	43	37	80
“ “ January, 1901	47	5	52
Total	1,017	253	1,270
Discharged in year ending January 31, 1901.....	618	187	805
Remaining January 31, 1901.....	399	66	465

TABLE NO. 3.

Showing Number of Prisoners Discharged each Month.

	Males.	Females.	Total.
Discharged during February, 1900.....	50	21	71
“ “ March, “	54	14	68
“ “ April, “	59	11	70
“ “ May, “	43	13	56
“ “ June, “	54	17	71
“ “ July, “	54	20	74
“ “ August, “	55	17	72
“ “ September, “	42	14	56
“ “ October, “	50	16	66
“ “ November, “	46	16	62
“ “ December, “	47	10	57
“ “ January, 1901.....	64	18	82
Total	618	187	805

TABLE NO. 4.

Daily Average.

	Males.	Females.	Total.
February, 1900.....	430	60	490
March, ".....	446	65	511
April, ".....	434	82	516
May, ".....	446	90	536
June, ".....	457	95	552
July, ".....	439	85	524
August, ".....	420	73	493
September, ".....	408	64	472
October, ".....	415	62	477
November, ".....	416	52	468
December, ".....	421	73	494
January, 1901.....	407	70	477
Maximum population.....	462	98	560
Minimum population.....	402	59	461
Daily average.....	428	73	501

TABLE NO. 5.

Showing how Discharged.

	Males.	Females.	Total.
Expired sentence.....	536	154	690
Fines paid (amounting to \$667).....	7	6	13
By order of Municipal Court, after serving three months; fines not paid.....	11	13	24
Pardoned by Governor.....	3	.....	3
" " Commissioner.....	15	4	19
Carried forward.....	572	177	749

TABLE NO. 5.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	572	177	749
By order of Commissioners of Prisons.	4	.....	4
Transferred to House of Correction, Deer Island	7	9	16
Transferred to Concord Reformatory..	23	.....	23
Transferred to Reformatory Prison for Women.....	.....	1	1
Transferred to Lunatic Hospital.....	8	.....	8
Bailed	1	.....	1
Died.....	2	.....	2
Escaped.....	1	.....	1
Total	618	187	805

TABLE NO. 6.

Gain or Loss in Weight of Prisoners Discharged.

	Males.	Females.	Total.
Number who gained	413	108	521
“ “ lost.....	174	65	239
“ “ neither gained or lost....	31	14	45
Pounds gained	3,352	959	4,311
Pounds lost	1,124	486	1,610
Average pounds net gain.....	3 lb. 9 $\frac{2}{3}$ oz.	2 lb. 8 oz.	3 lb. 5 $\frac{1}{3}$ oz.

TABLE NO. 7.*Showing Number of Times Committed to this Institution.*

	Males.	Females.	Total.
First.....	412	132	544
Second.....	93	34	127
Third.....	35	10	45
Fourth.....	16	8	24
Fifth.....	10	2	12
Sixth.....	4	.....	4
Seventh.....	3	.....	3
Eighth.....	4	1	5
Ninth.....	2	1	3
Tenth.....	2	.....	2
Eleventh.....	1	.....	1
Total	582	188	770

TABLE NO. 8.*Showing from what Courts Committed.*

	Males.	Females.	Total.
Municipal Criminal Court.....	269	146	415
Superior " "	254	37	291
South Boston District Court.....	49	5	54
Roxbury " "	2	.....	2
Dorchester " "	6	.....	6
Charlestown " "	1	.....	1
Charlestown District Court and Municipal Criminal.....	1	.....	1
Total	582	188	770

TABLE NO. 9.

Showing Offences for which Committed.

	Males.	Females.	Total.
AGAINST PERSON.			
Assault	4	.....	4
" with a knife	1	.....	1
" " pistol	4	.....	4
" " razor	1	.....	1
" " sharp instrument	2	.....	2
" " stiletto	1	.....	1
" " dangerous weapon	1	.....	1
" " oil of vitriol	1	.....	1
" " intent to rob	2	.....	2
" on an officer.	4	.....	4
Assault and battery	41	2	43
Assault and battery with a dangerous weapon	2	.....	2
Assault and battery with a knife	7	.....	7
Assault and battery with a hard sub- stance.	1	.....	1
Assault and battery with a glass tumbler	1	.....	1
Assault and battery with a lighted lamp	1	1	2
" " " " pistol	3	.....	3
" " " " razor	2	.....	2
Assault and battery on a police officer.	3	.....	3
Indecent assault	3	.....	3
Manslaughter	3	.....	3
Rape	2	.....	2
Threatening to commit assault and bat- tery	1	.....	1
Threatening to do bodily harm	2	.....	2
	93	3	96

TABLE No. 9.—*Continued.*

	Males.	Females.	Total.
AGAINST PROPERTY.			
Attempting to break and enter.....	2	.....	2
“ “ commit larceny.....	1	.....	1
Attempting to commit larceny from person.....	9	.....	9
Attempting to commit larceny in a building.....	1	.....	1
Breaking and entering.....	47	.....	47
“ “ “ and larceny.....	2	.....	2
Breaking and entering and larceny in a building.....	1	.....	1
Breaking and entering and larceny from realty.....	9	.....	9
Breaking glass maliciously.....	5	.....	5
Cheating by false pretences.....	1	.....	1
Conspiring to cheat and defraud.....	1	.....	1
Embezzlement.....	1	.....	1
Forgery.....	1	.....	1
Forgery and uttering.....	6	.....	6
Fraudulently conveying property held upon conditional contract of sale....	1	.....	1
Fraudulently procuring entertainment at an inn.....	1	.....	1
Larceny.....	205	14	219
“ from a common carrier.....	11	.....	11
“ “ conveyance.....	4	.....	4
“ “ the person.....	22	2	24
“ “ realty.....	3	.....	3
“ in a building.....	8	.....	8
“ “ vessel.....	2	.....	2
<i>Carried forward</i>	344	16	360

TABLE NO. 9.—*Continued.*

	Males.	Females.	Total.
<i>AGAINST PROPERTY. — Concluded.</i>			
<i>Brought forward</i>	344	16	360
Larceny in a building and larceny.....	1	.....	1
Larceny in a building and larceny annexed to realty.....	1	.....	1
Larceny and embezzlement	1	.....	1
“ “ forgery and uttering.....	1	.....	1
Larceny, and larceny from the person	1	.....	1
Maliciously burning a manufactory....	1	.....	1
Malicious injury to personal property.....	1	.....	1
Receiving stolen goods.....	4	.....	4
Robbery	4	.....	4
Unlawful appropriation.....	1	.....	1
Unlawfully appropriating a horse or team.....	4	.....	4
Unlawfully having burglarious implements.....	1	.....	1
Uttering forged checks	2	.....	2
Larceny from conveyances and larceny from person.....	1	.....	1
	368	16	384
<i>AGAINST PUBLIC ORDER AND DECENCY.</i>			
Adultery.....	6	5	11
Being a vagrant	2	.....	2
Being a common drunkard.....	.....	1	1
Being present at game played on Lord's Day and drunkenness.....	1	.....	1
Committing an unnatural and lascivious act.....	1	.....	1
<i>Carried forward</i>	10	6	16

TABLE NO. 9.—*Continued.*

	Males.	Females.	Total.
AGAINST PUBLIC ORDER AND DE- CENCY. — <i>Continued.</i>			
<i>Brought forward</i>	10	6	16
Common nightwalker	1	30	31
“ “ “ and drunkenness, ...		1	1
“ “ “ and fornication..		5	5
Conspiring to send women and girls to houses of ill-fame	1	.....	1
Committing an unnatural and lasciv- ious act and unlawfully selling in- toxicating liquors	1	.....	1
Drunkenness	22	75	97
Disorderly person	1	.....	1
Fornication	7	8	15
Idle and disorderly	6	19	25
Illegally voting at a caucus	1	.....	1
Indecent exposure of the person	9	.....	9
Keeping and maintaining a house of ill-fame	15	9	24
Keeping a house of ill-fame and giving an immoral show	1	.....	1
Keeping a house of ill-fame and selling intoxicating liquors .....	.....	1	1
Keeping a noisy and disorderly house..	2	3	5
Lewd and lascivious cohabitation	7	2	9
Lewd and lascivious cohabitation and adultery	1	.....	1
Non-support, wife or children	11	.....	11
Perjury	3	.....	3
Polygamy	4	.....	4
Setting up and promoting a policy lottery	1	.....	1
<i>Carried forward</i>	104	159	263

TABLE NO. 9.—*Concluded.*

	Males.	Females.	Total.
AGAINST PUBLIC ORDER AND DECENCY. — <i>Concluded.</i>			
<i>Brought forward</i>	104	159	263
Unlawfully exposing and keeping for sale intoxicating liquors.....	.....	1	1
Unlawfully selling intoxicating liquors,	2	8	10
	106	168	274
COMPOUND OFFENCES.			
Assault, and larceny from the person..	1	.....	1
Assault with a pistol, and drunkenness,	1	.....	1
Assault and battery and drunkenness..	3	.....	3
“ “ “ “ larceny.....	4	.....	4
Assault and battery on a police officer, and drunkenness	1	.....	1
Assault and battery on a police officer, and larceny	1	.....	1
Larceny and drunkenness.....	2	1	3
Unlawfully taking a horse, and drunkenness	1	.....	1
Breaking and entering and assault and battery	1	.....	1
Total	15	1	16

TABLE NO. 10.

Showing Sentence of Prisoners Committed during the Year.

	Males.	Females.	Total.
Fines	35	18	53
Sureties	2	.....	2
<i>Carried forward</i>	37	18	55

TABLE NO. 10. — *Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	37	18	55
30 days.....	1	.....	1
One month.....	10	2	12
Two months	29	15	44
Three “	74	21	95
Four “	63	50	113
Five “	11	4	15
Six “	107	46	153
Eight “	13	4	17
Nine “	12	6	18
Ten “	7	.....	7
Eleven “	2	.....	2
Twelve “	72	8	80
Fourteen months	1	.....	1
Fifteen “	10	1	11
Eighteen “	25	1	26
Twenty “	1	.....	1
Twenty-four “	50	3	53
Thirty “	10	.....	10
Thirty-three “	1	.....	1
Thirty-six “	26	.....	26
Forty-two “	4	.....	4
Forty-eight “	6	.....	6
Sixty “	5	.....	5
30 days and fine .....	.....	1	1
3 months and fine	1	7	8
4 “ “ “	1	.....	1
<i>Carried forward</i>	579	187	766

TABLE NO. 10.— *Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	579	187	766
6 months and fine	1	1	2
9 " " " 	1	.....	1
24 " " " 	1	.....	1
Total	582	188	770

TABLE NO. 11.

Showing Ages of Prisoners Committed.

	Males.	Females.	Total.
Under 20 years	32	.....	32
20 to 29 " inclusive	253	84	337
30 to 39 " " 	177	73	250
40 to 49 " " 	77	27	104
50 to 59 " " 	36	2	38
60 to 69 " " 	7	1	8
70 to 79 " " . . . . .	.....	1	1
Total	582	188	770

TABLE NO. 12.

Color.

	Males.	Females.	Total.
White	531	176	707
Black	51	12	63
Total	582	188	770

TABLE NO. 13.

Social Relations.

	Males.	Females.	Total.
Married.....	199	101	300
Single.....	383	87	470
Total.....	582	188	770

TABLE NO. 14.

Education.

	Males.	Females.	Total.
Could read and write.....	534	150	684
Could read only.....	4	8	12
Could not read or write	44	28	72
Could not read or write, born in Massachusetts.....	.....	2	2
Total.....	582	188	770

TABLE NO. 15.

Nativity.

	Males.	Females.	Total.
BORN IN UNITED STATES.			
Alabama.....	2	.....	2
California.....	2	1	3
Connecticut.....	3	3	6
Delaware.....	1	.....	1
District of Columbia.....	2	.....	2
Georgia.....	2	.....	2
Carried forward.....	12	4	16

TABLE NO. 15. — *Continued.*

	Males.	Females.	Total.
BORN IN UNITED STATES. — <i>Concluded.</i>			
<i>Brought forward</i>	12	4	16
Illinois.....	2	.....	2
Kentucky.....	1	.....	1
Louisiana.....	1	.....	1
Maine.....	16	9	25
Maryland.....	4	1	5
Massachusetts.....	259	64	323
Michigan.....	2	.....	2
Missouri.....	2	.....	2
North Carolina.....	3	3	6
New Hampshire.....	9	5	14
New Jersey.....	4	1	5
New York.....	28	5	33
Ohio.....	3	.....	3
Pennsylvania.....	7	.....	7
Rhode Island.....	8	.....	8
South Carolina.....	3	.....	3
Vermont.....	2	3	5
Virginia.....	16	5	21
West Virginia.....	1	1	2
Total.....	383	101	484
BORN IN FOREIGN COUNTRIES.			
At sea.....	1	.....	1
Australia.....	1	.....	1
Austria.....	2	.....	2
<i>Carried forward</i>	4	.....	4

TABLE NO. 15.—*Concluded.*

	Males.	Females.	Total.
BORN IN FOREIGN COUNTRIES.— <i>Concluded.</i>			
<i>Brought forward</i>	4	.....	4
Belgium	2	.....	2
Canada.....	12	4	16
Denmark.....	1	.....	1
England.....	16	9	25
France .....	.....	2	2
Germany.....	4	1	5
Greece	1	.....	1
Ireland	58	54	112
Italy	42	.....	42
New Brunswick.....	11	6	17
Newfoundland	4	.....	4
Norway.....	3	.....	3
Nova Scotia.....	12	6	18
Poland	1	.....	1
Prince Edward Island.....	6	3	9
Russia	8	.....	8
Scotland	3	1	4
South America.....	1	.....	1
Spain	1	.....	1
Sweden	7	1	8
Turkey	1	.....	1
Unknown	1	.....	1
Total	199	87	286
Born in United States	383	101	484
Born in Foreign Countries	199	87	286
Grand total.....	582	188	770

TABLE NO. 16.
Showing Industrial Relation.

	Males.	Females.	Total.
Actor.....	1	.....	1
Advertising agent	2	.....	2
Architect	1	.....	1
Artist.....	1	.....	1
Baker.....	12	.....	12
Barber.....	14	.....	14
Bartender	1	.....	1
Bell boy	4	.....	4
Bicycle enameller.....	1	.....	1
Blacksmith	3	.....	3
Blacksmith's helper	2	.....	2
Boarding-house keeper	1	.....	1
Bookbinder	1	.....	1
Book-keeper	1	.....	1
Bootblack	3	.....	3
Brass-finisher	2	.....	2
Bricklayer	2	.....	2
Butcher.....	4	.....	4
Cabinetmaker	2	.....	2
Candy-maker.....	2	.....	2
Car-conductor.....	1	.....	1
Carpenter	13	.....	13
Car-repairer.....	1	.....	1
Carriage-washer.....	2	.....	2
Canvasser.....	1	.....	1
Chair-finisher	1	.....	1
<i>Carried forward.....</i>	79	.....	79

TABLE NO. 16. — *Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	79	.....	79
Chamber work .....	.....	6	6
Chocolate-maker	1	.....	1
Clerk	18	.....	18
Coachman.....	1	.....	1
Coal and wood dealer.....	1	.....	1
Coat-presser.....	1	.....	1
Compositor....	1	.....	1
Confectioner	3	.....	3
Contractor and builder.....	1	.....	1
Contractor's foreman.....	1	.....	1
Cook.....	24	4	28
Cook's helper	1	.....	1
Copyist	1	.....	1
Coremaker	1	.....	1
Dishwasher.....	.....	1	1
Electric lineman.....	1	.....	1
Elevator boy	1	.....	1
Engineer	4	.....	4
Engraver.....	1	.....	1
Errand boy.....	1	.....	1
Expressman.....	1	.....	1
Farmer	2	.....	2
Fireman	16	.....	16
Fireman's helper.....	1	.....	1
Fish-cutter	1	.....	1
Fisherman	2	.....	2
<i>Carried forward</i>	165	11	176

TABLE NO. 16. — *Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	165	11	176
Floor-layer.....	1	.....	1
Florist	1	.....	1
Furnace work	1	.....	1
Furniture dealer.....	1	.....	1
Furniture polisher.....	1	.....	1
Fruit dealer.....	1	.....	1
Gardener.....	2	.....	2
Gasfitter,.....	4	.....	4
Glassworks.....	1	.....	1
Glazier.....	1	.....	1
Grocer.....	1	.....	1
Hack driver.....	1	.....	1
Hardwood finisher	1	.....	1
Hodcarrier.....	2	.....	2
Horse-clipper	1	.....	1
Horseshoer	3	.....	3
Horse trader	1	.....	1
Hostler	19	.....	19
Hotel clerk.....	1	.....	1
Housework.....	.....	147	147
Insurance agent.....	1	.....	1
Ironmoulder.....	2	.....	2
Ironworker.....	1	.....	1
Janitor	3	.....	3
Junk dealer.....	1	.....	1
Kitchen work .....	.....	1	1
<i>Carried forward</i>	217	159	376

TABLE NO. 16.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	217	159	376
Laborer	93	.....	93
Lamp-trimmer	1	.....	1
Laundress.....	.....	5	5
Law student.....	1	.....	1
Liquor dealer.....	1	.....	1
Lodging-house keeper.....	.....	1	1
Longshoreman	3	.....	3
Machinist.....	14	.....	14
Manager	1	.....	1
Manager, grocery store.....	1	.....	1
Meat-cutter	4	.....	4
Medium.....	1	.....	1
Messenger.....	1	.....	1
Metal-moulder	1	.....	1
Mason	2	.....	2
Milliner .....	.....	1	1
Motorman.....	2	.....	2
Mule spinner.....	1	.....	1
Musician.....	1	.....	1
Newspaper man.....	1	.....	1
Nickleplater	1	.....	1
Nurse.....	3	.....	3
Office boy.....	1	.....	1
Order cook.....	1	.....	1
Packer.....	1	.....	1
Painter	21	.....	21
<i>Carried forward</i>	374	166	540

TABLE NO. 16.—*Continued.*

	Male.	Female.	Total.
<i>Brought forward</i>	374	166	540
Papermaker.....	1	.....	1
Paper-box maker.....	1	1	2
Paver.....	2	.....	2
Pedler	9	.....	9
Piano-dealer	1	.....	1
Picture-framer.....	1	.....	1
Piano-polisher.....	2	.....	2
Photographer	2	.....	2
Physician.....	1	.....	1
Plasterer	2	.....	2
Plumber	4	.....	4
Plumber's helper.....	3	.....	3
Porter	2	.....	2
Pressmen	2	.....	2
Printer	6	.....	6
Railroad man.....	1	.....	1
Real estate.....	1	.....	1
Roofer	4	.....	4
Ropemaker	1	.....	1
Rubber shoemaker.....	.....	1	1
Sailor.....	9	.....	9
Salesman	14	.....	14
Screwmaker.....	1	.....	1
Seamstress .....	.....	2	2
Shipper	3	.....	3
Shirtmaker .....	.....	1	1
<i>Carried forward</i>	447	171	618

TABLE NO. 16.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	447	171	618
Shoe-crimper.....	1	.....	1
Shoecutter.....	1	.....	1
Shoe-finisher.....	.....	1	1
Shoe laster.....	5	.....	5
Shoemaker.....	6	.....	6
Shoe packer.....	1	.....	1
Shoe stitcher.....	3	1	4
Shoe treer.....	2	.....	2
Shoe-vamper.....	1	.....	1
Sign painter.....	3	.....	3
Singer.....	1	.....	1
Skate-maker.....	1	.....	1
Song writer.....	1	.....	1
Spinner.....	1	1	2
Steamfitter.....	1	.....	1
Steamfitter's helper.....	2	.....	2
Steward.....	1	.....	1
Stock-fitter.....	1	.....	1
Stonecutter.....	3	.....	3
Stone mason.....	2	.....	2
Student.....	1	.....	1
Tailor.....	11	.....	11
Teamster.....	47	.....	47
Telegraph operator.....	2	.....	2
Tinsmith.....	1	.....	1
Tinsmith's helper.....	1	.....	1
<i>Carried forward</i>	547	174	721

TABLE NO. 16.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	547	174	721
Trunk-maker.....	1	.....	1
Upholsterer.....	1	.....	1
Waiter.....	22	14	36
Watchman.....	3	.....	3
Weaver.....	2	.....	2
Wheelwright.....	1	.....	1
Whitewasher.....	2	.....	2
Wire worker.....	1	.....	1
Wood sawyer.....	1	.....	1
Woodturner.....	1	.....	1
Total.....	582	188	770

PHYSICIAN'S REPORT.

BOSTON, January 31, 1901.

TO COL. JOHN C. WHITON,

Master of the House of Correction :

SIR, — I have the honor to submit the following report of the Medical Department of this institution for the year ending January 31, 1901 :

Patients remaining in hos- pital February 1, 1900,	14	Number discharged,	320
Number admitted since,	327	Number died,	2
Total number treated in hospital February 1, 1900, to January 31, 1901, inclusive,	341	Remaining in hospital Jan- uary 31, 1901,	19

The following list gives the names of the diseases, and the number of times patients have been treated in hospitals :

Medical.

Alcoholism,	49	Insane,	8
Angina pectoris,	1	Lumbago,	6
Bronchitis,	5	Malaria,	4
Broncho-pneumonia,	2	Malingeringer,	1
Colic,	3	Melancholia,	3
Constipation,	2	Menorrhagia,	1
Cystitis.	1	Neuralgia,	9
Debility,	9	Not developed,	3
Diarrhœa,	10	Not sick,	14
Dysentery,	1	Opium habit,	6
Dysmenorrhœa,	3	Pleurisy,	1
Dyspepsia,	8	Rheumatism,	10
Eczema,	1	Sciatica,	1
Empyema,	1	Syphilis,	18
Epilepsy,	3	Tonsillitis,	16
Febucula,	2	Tuberculosis of lung,	7
Heart disease, valvular,	2	Typhoid fever,	2
Herpes,	1		
Hysteria,	1	Total,	264
Influenza,	49		

Surgical.

Abscess,	17	Iritis,	5
Adenitis,	5	Ophthalmia,	2
Balanitis,	2	Otitis,	3
Carbuncle,	1	Paraphimosis,	1
Caries — dental,	1	Piles,	2
Chancroid,	2	Sprain,	4
Conjunctivitis,	7	Stricture — urethral,	1
Deformity of toe,	1	Tuberculosis of knee,	1
Dermatitis,	1	“ “ spinal,	1
Felon,	1	Ulcer,	8
Fistula — anal,	1	Wounds,	6
Gonorrhœa,	2		—
Hernia,	2	Total,	77

One man died of typhoid fever, and one man died from internal hemorrhage.

Eight men have been adjudged insane, and have been transferred to the State Farm at Bridgewater.

Respectfully,

W. B. BANCROFT,

Physician.

CHAPLAIN'S REPORT.

SOUTH BOSTON, January 31, 1901.

COL. JOHN C. WHITON,

Master of the House of Correction:

SIR, — As Chaplain and Librarian of this institution, it is my duty, as well as my privilege, to submit the following report for the year ending January 31, 1901:

STATISTICS.

The following is an abbreviated statement of donations made to the library during the past twelve months:

	Copies.	Volumes.
Inmates' donation	1,986	209
Miss Whiton	34	—
Rev. Father Flaherty	2,383	—
Rev. Father Osborne	—	9
Notre Dame Publishing Company	52	—
Mr. John A. Elliott	11	—
Chaplain's donation	—	45
Mrs. Spooner	1,089	27
Catholic World Publishing Company	12	—
Christian Science Publishing Society	116	—
Perry Mason Company (Youth's Companion), ...	50	—
Mrs. G. W. Tuckerman	150	—
Mr. E. D. Stevens	64	—
Mr. Moore	198	—
Mrs. Sarah E. Laughton	498	—
Mrs. E. F. Martin	285	7
Christian Herald Publishing Company	400	—
Theosophical Society	64	—

We have also received (by Mrs. S. E. Guild) three barrels of books, magazines, etc., from the Hospital Newspaper Society, and from the Very Rev. William Byrne, V.G., a large, miscellaneous donation of magazines and weekly papers. For all of these gifts of a literary character we wish to return thanks to the donors, and express our appreciation for their interest in the work.

In last year's report I spoke of the supplement to the catalogue which had been printed and put in circulation. We have just continued this last publication with another supple-

ment, and expect to have practically a new catalogue to put into the hands of the prisoners as soon as they come from the printer. I did think last year that we would be obliged to reconstruct the library, and discard all books that were considerably worn, but while many books are too much worn to be re-catalogued, they may still remain in circulation, and with these two supplements in use I presume we shall be provided for until another twelve months have elapsed. The Chaplain desires to thank cordially all who have aided this important part of the work, especially the Commissioner, Assistant Commissioner, Master, Deputy-Master, Clerk, officers and matrons for their sympathy and helpfulness.

CHAPEL SERVICES.

The services on Sunday have been as usual, and have been well attended. The Chaplain has been assisted, as in former years, by quite a number of clergymen and laymen; our organist (Mr. Charles H. Whittier) and his pupils providing the musical portions of the services, and on the Sunday after Christmas and that after Easter we have had forty or fifty voices in the chorus, all of which have been very helpful to the religious work. Several persons have come in to assist in the music, and altogether we feel much has been accomplished by the "mission of song."

PERSONAL MINISTRATIONS.

There are no statistics to show what has been done in the way of individual interviews and ministrations, in visiting the sick in the hospitals, and in counselling and advising prisoners previous to their discharge. The Sacraments have been administered whenever required, and the burial service read over the bodies of unclaimed dead, but the Chaplain has had even more than perfunctory duties, as he has endeavored to enter sympathetically into the work, and think of his cure in meditation and prayer.

Mrs. Spooner has continued the Wednesday afternoon services for the women, and it has been my pleasure to play the organ for the hymn singing. I feel very grateful for this, and want to return thanks for it; also to express my sincere appreciation to our friend and co-laborer, the Rev. Mathew J. Flaherty, for a continuance of his hearty coöperation in the literary and religious departments.

Respectfully submitted,

S. STANLEY SEARING,

Chaplain.

TEACHERS' REPORT.

SOUTH BOSTON, January 31, 1901.

COL. JOHN C. WHITON,

Master of the House of Correction:

SIR, — I herewith respectfully submit to you the fourth annual report of the school.

To-day the school of the House of Correction, South Boston, closes its fourth term. The school of this Institution has been in existence just forty-two months. In the course of the past forty-two months, that is, from April 1, 1897, to the date of this report, 354 men have attended the school. There were received in the school during the past year 64 men. Once during the past year a number of advanced scholars had to be excluded from the school in order to make room for others. The average attendance during the year was about the same as that of the previous year. Owing to the number of discharges and transfers which have taken place recently, there are now but sixty pupils attending the school. No change has been made in the school hours. The school is in session four hours a day, two hours in the morning, and two hours in the afternoon. The morning hours are from nine to eleven o'clock, the afternoon hours are from two to four o'clock. School is held five days of the week. The following plan of studies is the same as that given for last year. This outline of studies has been found to be full and complete for all present purposes.

PLAN OF STUDIES.

First Primary,	{	Section A,	{	First Reader.
				Spelling.
				Writing.
				Language.
				Numbers.
	{	Section B,	{	Second Reader.
				Spelling.
				Writing.
				Language.
				Numbers.

Second Primary.	Section C,	Third Reader. Spelling. Arithmetic. Writing. Language. Geography.
	Section D,	Fourth Reader. Arithmetic. Grammar. Geography. Spelling. Writing. History.

Respectfully submitted,
JOHN B. DAVIDSON,
Teacher.

HOUSE OF CORRECTION, DEER ISLAND.

BOSTON HARBOR, February 1, 1901.

PETER MORRISON, ESQ.

Penal Institutions Commissioner, Boston, Mass.:

MY DEAR SIR, — I have the honor to submit my annual report of this Institution for the year ending January 31, 1901.

The past year has been one of improvement in discipline, both among officers and inmates. The condition of the Institution has been much improved. Harmony prevails, and we are working together for the good of mankind. The reports of the City Committee, Prison Inspectors and others having occasion to inspect this Institution, its management, discipline, etc., while referring to lack of room and the necessity of more adequate accommodations, commend the neatness and good order that prevail.

Male prisoners not employed on stone-work or in the sewing rooms are kept constantly at work at various kinds of mechanical labor: Carpenters, painters, blacksmiths and shoemakers at their respective trades; those on the farm making land, building roads and stone walls, caring for the farm stock, etc. The opportunity of keeping these inmates at labor during suitable weather is never lost. While requiring from the inmates a strict and prompt obedience to all orders from proper authority and to all established rules and regulations, we strive to aid them in maintaining their self-respect, and let them see that kind treatment is accorded all who are deserving.

The Stone Department has been in operation during the year, furnishing work for a daily average of 150 male prisoners. There has been made during the year 33,853 feet of edgestone, 10 corner catch-basins, 49 square catch-basins, 46 large corners, 42 small corners, 21 gutter-stones and 175 gutter-mouths for the Street Department (Paving and Sewer Divisions) of the City.

Plans are being drawn for a New Women's Prison, which is very much needed, the building now occupied by the female inmates not being adapted to their use. The new building

should contain a chapel, laundry, kitchen, dining and work rooms, and a cell for each inmate, and should have all the modern conveniences. The number of female prisoners during the past year has not been large — a daily average of 263. Many are broken in health and by old age are unfit for labor. Those who can work are employed in the several departments, cooking, washing and ironing, mending, operating sewing-machines, nursing, etc.

Our Hospital Annex will be completed by May next, and we will then have a Hospital second to none in the State. The only criticism that can be made then will be that it is built of wood, and is not fireproof, which is a care as regards safety.

Our Resident Physician, Dr. Albert A. Taft, with his able assistants Dr. Paul Carson and Dr. James S. Black, carefully attend to all the duties required of them, with much credit. The new operating-room is a great addition, and those who have occasion to visit it for surgical treatment can testify to its usefulness.

The steamboat and coal wharves should be thoroughly repaired as the piling and planking are decayed and render the wharves unsafe for travel.

The farming operations have been carried on with energy, and the general results are satisfactory. Our live stock is in good condition. We have raised the following produce:

Apples	.	.	.	.	.	125 bbls.
Asparagus	.	.	.	.	.	2,500 bunches.
Beans, bush	.	.	.	.	.	130 bush.
“ lima	.	.	.	.	.	30 bush.
Beets, mangle	.	.	.	.	.	200 tons.
“ table	.	.	.	.	.	300 bush.
Cabbage	.	.	.	.	.	14,000 heads.
Carrots	.	.	.	.	.	25 tons.
Celery	.	.	.	.	.	6,000 bunches.
Chickens	.	.	.	.	.	150 head.
Corn, sweet	.	.	.	.	.	300 bush.
“ green fodder	.	.	.	.	.	50 tons.
Cucumbers	.	.	.	.	.	150 bush.
Currants	.	.	.	.	.	60 boxes.
Ducks	.	.	.	.	.	150 head.
Eggs	.	.	.	.	.	1,100 doz.
Grapes	.	.	.	.	.	10 bush.
Greens, beet	.	.	.	.	.	130 bush.
“ cabbage	.	.	.	.	.	200 bush.
“ dandelion	.	.	.	.	.	250 bush.
“ spinach	.	.	.	.	.	200 bush.
Hay	.	.	.	.	.	50 tons.

Ice	500 tons.
Lettuce	2,000 heads.
Manure	750 cords.
Melons	25 bush.
Milk	150,000 qts.
Oat fodder	20 tons.
Onions	3,000 bush.
Parsley	500 bunches.
Parsnips	600 bush.
Pears	50 bush.
Peas	120 bush.
Peppers	6 bush.
Potatoes	150 bush.
Pumpkins	6 tons.
Raddish	600 bunches.
Raspberries	50 boxes.
Salsify	10 bush.
Squash	40 tons.
Strawberries	700 boxes.
Tomatoes	900 bush.
Turkeys	30 head.
Turnips, purple top	900 bush.
" sweet	300 bush.
" white egg	200 bush.
Wood	250 cords.

The fines of 649 prisoners, amounting to \$5,075, have been paid. The money received for fines does not increase our income, but is paid to the County Collector.

The report of the piggery is as follows:

Pork slaughtered, 84,976 lbs., @ 7c.	\$5,948 32
Sale of live pigs	1,038 00
Sale of bones and grease	261 42
Manure, 480 cords, @ \$2.50	1,200 00
Soft soap, 810 hhd., @ \$5.00	4,050 00
	\$12,497 74
Cost of soap stock	90 33
	<u>\$12,407 41</u>

We have made for the use of inmates during the year 190 institution coats, 805 pairs institution pants, 867 institution vests, 115 dozen wool shirts, 194 dozen cotton shirts, 89 overcoats, 78 dozen overalls, 50 dozen pairs hospital drawers, 370 hospital night shirts, 50 hospital coats, 362 liberty coats, 525 liberty vests, 625 pairs liberty pants, 125 liberty overcoats,

498 dresses, 479 petticoats, 324 aprons, 260 tires, 94 head handkerchiefs, 692 chemises, 470 pairs drawers, 423 napkins, 458 roller towels, 1,548 sheets, 508 pillow-slips, 132 pillow-ticks, 551 bed-ticks, 1,256 towels, etc.

The Rev. William B. Toulmin continues as Chaplain. He holds service in the chapel each Sunday afternoon, and visits Long and Rainsford Islands Sunday mornings.

The Rev. Father Brennan has officiated as Catholic Priest during the year. He holds Mass each Sunday morning. Both Chaplain and Priest hold themselves in readiness at all times to visit the sick and comfort the dying.

The usual statistics as well as the reports of the Resident Physician and Chaplain will be found on the following pages.

Mr. Geo. W. Shepardson, ex-Deputy Master, with several officers, was removed by me September 10 last. The vacancy caused by the removal of Mr. Shepardson was filled by the return of our former Deputy Master, Mr. Lorenzo D. Perkins, who recently resigned from the office of Superintendent of the House of Reformation at Rainsford Island.

We are indebted to the Health Commissioners, the Doctors, Captain and crew of the steamer "Vigilant," who are ever ready to serve us.

With my excellent corps of clerks, doctors, nurses, officers and matrons I am much pleased. Without the support and loyalty of these no institution can be a success, as has been demonstrated in the past. I trust our present relations may be lasting, not alone as officers, but as citizens and friends. They have my entire confidence and thanks.

In closing, Mr. Commissioner, allow me to thank you and your assistant, Mr. Charles F. R. Foss, for the encouragement, able support, and courtesies I have received at your hands. No words of mine can add anything to your reputation for honesty, integrity, and efficiency in the office you have so ably filled the past year.

Yours very respectfully,

JAMES R. GERRISH,

Master.

VALUE OF LAND AND BUILDINGS AT HOUSE OF CORRECTION,
DEER ISLAND.*Land.*

5,837,040 feet upland at 5 cents	\$291,852
2,178,000 " flats	1,000
10,000 " solid wharf at \$1.00	10,000
16,900 " pile oak at \$1.00	16,900
3,600 " pile spruce at 50 cents	1,800
Value	\$321,552

Buildings.

North prison	\$160,000
Central prison, including gas works and boiler-house	300,000
Women's prison	35,000
Laundry	15,000
Bakery (brick)	13,000
Bakery (addition)	1,500
Coal sheds	12,000
Receiving-house	12,000
Mechanics' shop	11,000
Engineer's house	8,000
Vegetable shed (wood)	7,000
Farmer's house (brick)	6,500
School building	7,000
Barn (wood)	5,000
Straw shed and hennery	1,000
Cow barn	1,000
Boat-house and wharf	800
Ferry-house	700
Ice-house	2,000
Stone-shed	800
Piggery	12,000
Hospital	50,000
Blacksmith shop	500
Pumping station	5,400
Dynamos and building	19,300
	686,500
Total value	<u>\$1,008,052</u>

INVENTORY OF STOCK ON HAND AT HOUSE OF CORRECTION,
DEER ISLAND, FEBRUARY 1, 1901.

Agricultural Department	\$10,805 55
Bakery	383 25
Caning Department	52 45
<i>Carried forward</i>	\$11,241 25

<i>Brought forward</i>	.	.	.	.	.	\$11,241 25
Carpenter shop	.	.	.	.	.	869 73
Clothing (female)	.	.	.	.	.	1,328 10
Clothing Department*	.	.	.	.	.	2,953 71
Clothing (male)	.	.	.	.	.	4,487 92
Engineer's Department	.	.	.	.	.	5,080 75
General care (inmates)	.	.	.	.	.	17,879 25
General care (officers)	.	.	.	.	.	5,424 15
Hospital (dispensary)	.	.	.	.	.	1,200 00
Hospital (inmates)	.	.	.	.	.	2,021 95
Hospital (officers)	.	.	.	.	.	2,820 00
Laundry Department	.	.	.	.	.	198 64
Library	.	.	.	.	.	1,767 24
Miscellaneous	.	.	.	.	.	717 95
Paint shop	.	.	.	.	.	411 40
Piggery	.	.	.	.	.	910 25
Sewing room (female)	.	.	.	.	.	1,038 28
Sewing room (male)	.	.	.	.	.	4,419 75
Shoe Department	.	.	.	.	.	1,976 29
Stone Department	.	.	.	.	.	7,185 07
Store	.	.	.	.	.	7,075 00
Subsistence subsidiary	.	.	.	.	.	4,432 04
						<u>\$85,438 72</u>

* Stock only. Machinery is included in sewing-room.

STATISTICAL TABLES.

TABLE NO. 1.

Showing Population for Year Ending January 31, 1901.

	Males.	Females.	Total.
Remaining January 31, 1900.....	804	268	1,072
Committed during the year	6,053	1,123	7,176
	6,857	1,391	8,248
Discharged during the year	6,156	1,143	7,299
Remaining January 31, 1901.....	701	248	949
CHILDREN OF SENTENCED MOTHERS :			
Remaining January 31, 1900.....	5	2	7
Admitted	16	12	28
	21	14	35
Discharged	17	13	30
Remaining January 31, 1901.....	4	1	5

TABLE NO. 2.

Showing Number of Prisoners Received each Month.

	Males.	Females.	Total.
Remaining January 31, 1900.....	804	268	1,072
Received in February.....	424	72	496
“ “ March.....	469	82	551
Carried forward	1,697	422	2,119

TABLE NO. 2. — *Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	1,697	422	2,119
Received in April.....	500	77	577
“ “ May.....	547	80	627
“ “ June.....	521	111	632
“ “ July.....	565	112	677
“ “ August.....	560	122	682
“ “ September.....	532	105	637
“ “ October.....	575	127	702
“ “ November.....	405	74	479
“ “ December.....	530	74	604
“ “ January.....	425	87	512
Total.....	6,857	1,391	8,248
Discharged during the year.....	6,156	1,143	7,299
Remaining January 31, 1901.....	701	248	949

TABLE NO. 3.

Showing Number of Prisoners Discharged each Month.

	Males.	Females.	Total.
Discharged in February.....	456	76	532
“ “ March.....	565	108	673
“ “ April.....	487	79	566
“ “ May.....	558	69	627
“ “ June.....	523	90	613
“ “ July.....	493	101	594
“ “ August.....	578	100	678
<i>Carried forward</i>	3,660	623	4,283

TABLE NO. 3.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	3,660	623	4,283
Discharged in September	530	111	641
“ “ October.....	504	145	649
“ “ November.....	489	96	585
“ “ December.....	446	89	535
“ “ January.....	527	79	606
Total	6,156	1,143	7,299

TABLE NO. 4.

Daily Average.

	Males.	Females.	Total.
February.....	808	269	1,077
March	710	241	951
April	688	238	926
May	689	245	934
June.....	689	251	940
July	699	266	965
August	722	291	1,013
September.....	731	301	1,032
October.....	783	292	1,075
November.....	765	269	1,034
December.....	759	241	1,000
January.....	737	251	988
Maximum population.....	862	266	1,128
Minimum population	665	241	906
Daily average for the year	731	263	994

TABLE NO. 5.
Showing how Discharged.

	Males.	Females.	Total.
By expiration of sentence.....	5,231	1,037	6,268
By payment of fines	601	41	642
Pardoned by the Commissioner	256	52	308
By order of the Municipal Court after serving three months; fines not paid,	27	8	35
Died.....	20	3	23
Transferred to Massachusetts Reforma- tory	8	.....	8
By expiration of sentence and payment of fines	3	2	5
Bailed	3	.....	3
Bailed and fines paid	2	.....	2
By order of Prison Commissioners	2	.....	2
Pardoned by the Governor.....	1	.....	1
Transferred to House of Reformation..	1	.....	1
Escaped	1	.....	1
Total	6,156	1,143	7,299

TABLE NO. 6.
*Showing Number of Times Persons Committed during the Year have been
Committed to this House of Correction.*

	Males.	Females.	Total.
First	2,174	328	2,502
Second.....	839	184	1,023
Third.....	560	101	661
Fourth	400	79	479
<i>Carried forward.....</i>	3,973	692	4,665

TABLE NO. 6.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	3,973	692	4,665
Fifth	281	69	350
Sixth	262	46	308
Seventh	206	37	243
Eighth	172	28	200
Ninth	154	28	182
Tenth	132	19	151
Eleventh	83	14	97
Twelfth	92	12	104
Thirteenth	60	13	73
Fourteenth	58	15	73
Fifteenth	56	10	66
Sixteenth	42	11	53
Seventeenth	45	7	52
Eighteenth	37	9	46
Nineteenth	39	7	46
Twentieth	50	14	64
Twenty-first	32	9	41
Twenty-second	22	8	30
Twenty-third	25	6	31
Twenty-fourth	18	5	23
Twenty-fifth	17	2	19
Twenty-sixth	4	2	6
Twenty-seventh	14	4	18
Twenty-eighth	15	3	18
Twenty-ninth	15	2	17
Thirtieth	13	1	14
<i>Carried forward</i>	5,917	1,073	6,990

TABLE NO. 6.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	5,917	1,073	6,990
Thirty-first.....	8	1	9
Thirty-second	7	1	8
Thirty-third.....	9	3	12
Thirty-fourth	15	3	18
Thirty-fifth	9	6	15
Thirty-sixth.....	3	3	6
Thirty-seventh	9	.....	9
Thirty-eighth	11	3	14
Thirty-ninth	6	2	8
Fortieth	2	2	4
Forty-first.....	2	3	5
Forty-second.....	3	3	6
Forty-third.....	7	1	8
Forty-fourth.....	1	1	2
Forty-fifth.....	1	3	4
Forty-sixth	3	.....	3
Forty-seventh	6	2	8
Forty-eighth	1	2	3
Forty-ninth	1	1	2
Fiftieth.....	3	2	5
Fifty-first	1	.....	1
Fifty-third	2	.....	2
Fifty-fourth.....	1	.....	1
Fifty-fifth	3	.....	3
Fifty-sixth .....	.....	1	1
Fifty-seventh.....	2	1	3
<i>Carried forward</i>	6,033	1,117	7,150

TABLE NO. 6. — *Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	6,033	1,117	7,150
Fifty-eighth.....	1	.....	1
Fifty-ninth.....	1	.....	1
Sixty-first.....	1	1	2
Sixty-second.....	1	1	2
Sixty-seventh.....	.....	1	1
Sixty-eighth.....	.....	2	2
Seventy-first.....	1	.....	1
Seventy-third.....	1	.....	1
Seventy-fourth.....	1	.....	1
Seventy-fifth.....	2	.....	2
Seventy-sixth.....	1	.....	1
Seventy-eighth.....	1	.....	1
Eightieth.....	1	.....	1
Eighty-first.....	2	.....	2
Eighty-second.....	2	.....	2
One hundred and first.....	1	.....	1
One hundred and second.....	1	.....	1
One hundred and third.....	1	.....	1
One hundred and fourth.....	1	.....	1
One hundred and twenty-fifth.....	.....	1	1
Total.....	6,053	1,123	7,176

TABLE NO. 6 A.

Showing Number of Times Persons Committed for Drunkenness during the Year have been Committed to this House of Correction.

	Males.	Females.	Total.
First.....	1,396	202	1,598
Second.....	622	130	752
Third.....	447	79	526
Fourth.....	317	57	374
Fifth.....	225	55	280
Sixth.....	213	41	254
Seventh.....	165	26	191
Eighth.....	142	24	166
Ninth.....	116	22	138
Tenth.....	108	17	125
Eleventh.....	69	11	80
Twelfth.....	75	11	86
Thirteenth.....	54	10	64
Fourteenth.....	48	14	62
Fifteenth.....	49	9	58
Sixteenth.....	29	10	39
Seventeenth.....	36	7	43
Eighteenth.....	28	8	36
Nineteenth.....	32	6	38
Twentieth.....	44	11	55
Twenty-first.....	25	8	33
Twenty-second.....	18	7	25
Twenty-third.....	22	5	27
Twenty-fourth.....	14	4	18
Twenty-fifth.....	17	1	18
<i>Carried forward.....</i>	4,311	775	5,086

TABLE NO. 6 A. — *Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,311	775	5,086
Twenty-sixth.....	4	2	6
Twenty-seventh.....	14	2	16
Twenty-eighth.....	14	3	17
Twenty-ninth.....	11	2	13
Thirtieth.....	13	1	14
Thirty-first.....	7	.....	7
Thirty-second.....	7	1	8
Thirty-third.....	8	3	11
Thirty-fourth.....	14	3	17
Thirty-fifth.....	6	5	11
Thirty-sixth.....	3	3	6
Thirty-seventh.....	8	.....	8
Thirty-eighth.....	11	2	13
Thirty-ninth.....	4	1	5
Fortieth.....	2	2	4
Forty-first.....	2	3	5
Forty-second.....	2	3	5
Forty-third.....	7	1	8
Forty-fourth.....	1	1	2
Forty-fifth.....	1	3	4
Forty-sixth.....	3	.....	3
Forty-seventh.....	2	2	4
Forty-eighth.....	1	2	3
Forty-ninth.....	1	1	2
Fiftieth.....	3	2	5
Fifty-first.....	1	.....	1
<i>Carried forward</i>	4,461	823	5,284

TABLE NO. 6 A.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,461	823	5,284
Fifty-third.....	1	.....	1
Fifty-fourth.....	1	.....	1
Fifty-fifth.....	3	.....	3
Fifty-sixth.....	.....	1	1
Fifty-seventh.....,	2	1	3
Fifty-eighth.....	1	.....	1
Fifty-ninth.....	1	.....	1
Sixty-first.....	1	1	2
Sixty-second.....	1	1	2
Sixty-seventh.....	.....	1	1
Sixty-eighth.....	.....	2	2
Seventy-first.....	1	.....	1
Seventy-third.....	1	.....	1
Seventy-fourth.....	1	.....	1
Seventy-fifth.....	2	.....	2
Seventy-sixth.....	1	.....	1
Seventy-eighth.....	1	.....	1
Eightieth.....	1	.....	1
Eighty-first.....	2	.....	2
Eighty-second.....	2	.....	2
One hundred and first.....	1	.....	1
One hundred and second.....	1	.....	1
One hundred and third.....	1	.....	1
One hundred and fourth.....	1	.....	1
One hundred and twenty-fifth.....	.....	1	1
Total.....	4,488	831	5,319

TABLE NO. 6B.

*Showing Number of Times Persons Committed for being Common Drunkards
During the Year have been Committed to this House of Correction.*

	Males.	Females.	Total.
First	3	2	5
Second	1	3	4
Third	1	.....	1
Ninth	1	.....	1
Thirty-ninth	1	.....	1
Total	7	5	12

TABLE NO. 6C.

*Showing Number of Times Persons Committed for being Vagrants during
the Year have been Committed to this House of Correction.*

	Males.	Females.	Total.
First	57	9	66
Second	20	4	24
Third	12	3	15
Fourth	10	7	17
Fifth	8	3	11
Sixth	6	2	8
Seventh	9	3	12
Eighth	4	.....	4
Ninth	2	2	4
Tenth	3	.....	3
Eleventh	3	.....	3
Twelfth	2	.....	2
Thirteenth	1	1	2
Carried forward	137	34	171

TABLE NO. 6C.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	137	34	171
Fourteenth.....	2	.....	2
Sixteenth.....	2	1	3
Seventeenth.....	2	.....	2
Eighteenth.....	1	.....	1
Nineteenth.....	1	2	3
Twentieth.....	1	1	2
Twenty-first.....	1	.....	1
Twenty-second.....	1	.....	1
Twenty-fourth.....	1	.....	1
Twenty-fifth.....	.....	1	1
Twenty-sixth.....	.....	1	1
Twenty-ninth.....	1	.....	1
Thirty-first.....	.....	1	1
Thirty-fourth.....	.....	1	1
Forty-seventh.....	2	.....	2
Total.....	152	42	194

TABLE NO. 7.

Showing whence Committed.

	Males.	Females.	Total.
Municipal Court (Central).....	2,365	672	3,037
Roxbury District Court.....	983	157	1,140
South Boston District Court.....	841	150	991
Charlestown District Court.....	637	34	671
<i>Carried forward</i>	4,826	1,013	5,839

TABLE NO. 7.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,826	1,013	5,839
East Boston District Court.....	383	33	416
Dorchester District Court.....	371	6	377
Chelsea Police Court.....	171	20	191
West Roxbury District Court.....	119	5	124
Superior Court.....	86	31	117
Brighton District Court.....	80	5	85
Transferred from House of Correction tion, South Boston.....	7	9	16
Revocation of Commissioner's permit..	6	1	7
Order of Prison Commissioners.....	4	.....	4
Total.....	6,053	1,123	7,176

TABLE NO. 8.

Showing Offences for which Committed.

	Males.	Females.	Total.
AGAINST PERSON.			
Assault.....	3	.....	3
Assault and battery.....	353	24	377
Assault and battery on officer.....	4	.....	4
Assault and battery with a dangerous weapon.....	8	3	11
Committing an affray.....	2	.....	2
Indecent assault.....	4	.....	4
Larceny from person.....	11	4	15
Threats.....	10	.....	10
Total.....	395	31	426

TABLE NO. 8.—*Continued.*

	Males.	Females.	Total.
AGAINST PROPERTY.			
Attempt at larceny.....	1	.....	1
Breaking and entering	5	.....	5
Breaking glass	27	5	32
Embezzlement.....	4	.....	4
Larceny	553	40	593
Larceny from building.....	3	.....	3
Larceny from realty	1	.....	1
Malicious injury to personal property..	5	.....	5
Malicious injury to real estate.....	1	.....	1
Obtaining property by false pretences..	1	.....	1
Receiving stolen property.....	1	.....	1
Trespass	154	1	155
Unlawful appropriation.....	8	.....	8
Unlawfully conveying property	2	.....	2
Unlawfully entering dwelling	1	.....	1
Total	767	46	813
AGAINST PUBLIC ORDER.			
Attempt to rescue prisoner	1	.....	1
Being a stubborn child.....	3	.....	3
Being present at a game of cards on the Lord's day	4	.....	4
Common drunkard	7	5	12
Common nightwalker.....	3	64	67
Common railer and brawler.....	.....	4	4
Cruelty to animals	2	.....	2
<i>Carried forward</i>	20	73	93

TABLE NO. 8.—*Continued.*

	Males.	Females.	Total.
AGAINST PUBLIC ORDER. — <i>Continued.</i>	20	73	93
<i>Brought forward</i>			
Disturbing a religious meeting	1	.....	1
Disturbing the peace	16	8	24
Drunkenness	4,488	831	5,319
Evading railroad fare	5	.....	5
False pretences	1	.....	1
Fornication	21	25	46
Fraudulently obtaining board	1	.....	1
Gambling on the Lord's day	2	.....	2
Idle and disorderly	55	50	105
Illegal voting	1	.....	1
Indecent exposure	5	.....	5
Keeping a house of ill-fame .....	.....	3	3
Keeping a noisy and disorderly house ..	3	7	10
Loitering in railroad station	3	.....	3
Lying on grass in Common	1	.....	1
Maintaining a liquor nuisance	1	.....	1
Maintaining a lottery	1	.....	1
Making a bonfire	1	.....	1
Making a disturbance in public conveyance	1	.....	1
Malicious mischief	3	.....	3
Non-support	35	.....	35
Obscenity	2	.....	2
Obstructing sidewalk	11	.....	11
Permitting a minor child to beg	1	.....	1
Profanity	8	1	9
<i>Carried forward</i>	4,687	998	5,685

TABLE NO. 8.—*Concluded.*

	Males.	Females.	Total.
AGAINST PUBLIC ORDER. — <i>Concluded.</i>	4,687	998	5,685
<i>Brought forward</i>			
Rescuing prisoner	1	.....	1
Throwing missiles in the street	4	.....	4
Tramp.....	1	.....	1
Unlawfully attempting to deliver intoxicating liquor to a prisoner	1	.....	1
Unlawfully bathing.....	2	.....	2
Unlawfully playing musical instrument.....	1	.....	1
Unlawfully peddling.....	1	.....	1
Unlawfully posting bills.....	2	.....	2
Unlawfully selling intoxicating liquor.	9	1	10
Vagrant.....	152	42	194
Violating by-law	2	.....	2
Violating City ordinance.....	2	5	7
Violating Park Commissioners' law...	3	.....	3
Violating railroad law.....	2	.....	2
Walking on railroad track	21	.....	21
Total	4,891	1,046	5,937
Total for all offences.....	6,053	1,123	7,176

TABLE NO. 9.

Showing Sentences of those Committed.

	Males.	Females.	Total.
Non-payment of fines.....	3,524	285	3,809
3 days.....	3	2	5
<i>Carried forward</i>	3,527	287	3,814

TABLE NO. 9. — *Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	3,527	287	3,814
4 days	1	.....	1
5 “	15	5	20
7 “	13	5	18
1 week.....	6	.....	6
8 days.....	5	.....	5
10 “	84	18	102
12 “	1	.....	1
14 “	1	.....	1
15 “	11	.....	11
20 “	4	.....	4
21 “	1	.....	1
30 “	21	1	22
60 “	18	2	20
68 days.....	1	.....	1
72 “	1	.....	1
83 “	1	.....	1
90 “	2	1	3
102 “	1	.....	1
114 “ .....	.....	1	1
123 “	1	.....	1
154 “	1	.....	1
672 “	1	.....	1
1,180 “	1	.....	1
1,442 “	1	.....	1
1,471 “	1	.....	1
1 month.....	415	85	500
<i>Carried forward</i>	4,135	405	4,540

TABLE NO. 9.—*Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,135	405	4,540
2 months.....	407	99	506
3 “	622	191	813
4 “	318	178	496
5 “	150	42	192
6 “	316	172	488
7 “	4	.....	4
8 “	19	6	25
9 “	26	16	42
10 “	1	.....	1
12 “	50	13	63
24 “	1	1	2
30 “	2	.....	2
5 years.....	1	.....	1
Indefinite*.....	1	.....	1
Total	6,053	1,123	7,176

Of the above, 11 men were committed under six months' bonds, two men under three months' bonds, and one man under two months' bonds.

TABLE NO. 10.

	Males.	Females.	Total.
Under 20 years.....	168	10	178
20 to 29 years, inclusive.....	1,506	286	1,792
30 to 39 “ “	2,048	421	2,469
40 to 49 “ “	1,360	258	1,618
<i>Carried forward</i>	5,082	975	6,057

* Was later transferred to the House of Reformation.

TABLE NO. 10.— *Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	5,082	975	6,057
50 to 59 years, inclusive.....	709	90	799
60 to 69 “ “ 	223	44	267
70 to 79 “ “ 	31	13	44
80 to 89 “ “ 	7	1	8
90 to 99 “ “ 	1	.....	1
Total	6,053	1,123	7,176

TABLE NO. 11.

Color.

	Males.	Females.	Total.
White	5,932	1,082	7,014
Black	121	41	162
Total	6,053	1,123	7,176

TABLE NO. 12.

Social Relations.

	Males.	Females.	Total.
Married.	1,730	581	2,311
Single	4,323	542	4,865
Total	6,053	1,123	7,176

TABLE NO. 13.

Education.

	Males.	Females.	Total.
Could read and write.....	5,232	887	6,119
Could read only.....	5	3	8
Could neither read nor write	816	233	1,049
Total	6,053	1,123	7,176

TABLE NO. 14.

Nativity.

	Males.	Females.	Total.
BORN IN UNITED STATES.			
Alabama.....	3	1	4
California.....	9	1	10
Connecticut.....	34	8	42
Delaware	3	.....	3
District of Columbia.....	7	1	8
Florida	5	.....	5
Georgia	4	1	5
Illinois.....	13	.....	13
Indiana	2	.....	2
Iowa.....	1	.....	1
Kansas.....	1	.....	1
Kentucky	3	.....	3
Louisiana.....	1	.....	1
Maine.....	165	31	196
Maryland	19	5	24
Carried forward.....	270	48	318

TABLE NO. 14. — *Continued.*

	Males.	Females.	Total.
BORN IN UNITED STATES, — <i>Concluded.</i>			
<i>Brought forward</i>	270	48	318
Massachusetts.....	2,484	326	2,810
Michigan.....	2	.....	2
Missouri.....	6	.....	6
Montana.....	4	.....	4
New Hampshire.....	75	8	83
New Jersey.....	22	2	24
New York.....	124	26	150
North Carolina.....	10	5	15
Ohio.....	15	.....	15
Pennsylvania.....	36	6	42
Rhode Island.....	42	12	54
South Carolina.....	7	1	8
Tennessee.....	2	.....	2
Vermont.....	21	4	25
Virginia.....	37	8	45
Wisconsin.....	2	.....	2
Total.....	3,159	446	3,605
OF FOREIGN BIRTH.			
Africa.....	1	1	2
Armenia.....	1	.....	1
Austria.....	2	.....	2
Belgium.....	3	1	4
Bermuda.....	2	1	3
Canada.....	81	13	94
<i>Carried forward</i>	90	16	106

TABLE NO. 14. — *Concluded.*

	Males.	Females.	Total.
<i>OF FOREIGN BORN. — Concluded.</i>			
<i>Brought forward</i>	90	16	106
Denmark.....	8	.....	8
England.....	208	52	260
Finland.....	5	.....	5
France.....	6	2	8
Germany.....	41	3	44
Greece.....	1	.....	1
Holland.....	4	.....	4
Ireland.....	1,833	452	2,285
Italy.....	52	2	54
Newfoundland.....	62	5	67
Norway.....	14	2	16
Poland.....	11	.....	11
Portugal.....	1	.....	1
Provinces, Maritime.....	362	113	475
Russia.....	19	1	20
Scotland.....	86	23	109
Spain.....	1	1	2
Sweden.....	62	5	67
Switzerland.....	2	.....	2
Turkey.....	1	.....	1
Unknown.....	1	.....	1
Wales.....	14	.....	14
West Indies.....	10	.....	10
Total.....	2,894	677	3,571
Born in the United States.....	3,159	446	3,605
Grand total.....	6,053	1,123	7,176

TABLE NO. 15.

Showing Industrial Relations.

	Males.	Females.	Total.
Actor.....	5	.....	5
Actress .....	.....	2	2
Agent.....	23	.....	23
Artist.....	2	.....	2
Awning-maker	1	.....	1
Baker.....	64	.....	64
Barber.....	74	.....	74
Bartender.....	8	.....	8
Basket-maker	1	.....	1
Bell-boy	3	.....	3
Bill poster	1	.....	1
Blacksmith	47	.....	47
Blacksmith's helper.....	6	.....	6
Boatman.....	1	.....	1
Boilermaker.....	20	.....	20
Bookbinder	19	.....	19
Bookkeeper.....	6	.....	6
Bootblack.....	8	.....	8
Bottler.....	5	.....	5
Box-maker.....	5	1	6
Brakeman	15	.....	15
Brassfinisher.....	11	.....	11
Bricklayer	31	.....	31
Bridge-builder.....	2	.....	2
Broker.....	1	.....	1
Broom-maker	1	.....	1
<i>Carried forward.....</i>	360	3	363

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	360	3	363
Brush-maker.....	3	1	4
Building mover.....	1	.....	1
Butcher.....	54	.....	54
Cabinet-maker.....	12	.....	12
Calico designer.....	1	.....	1
Calker.....	6	.....	6
Carder.....	1	1	2
Carpenter.....	151	.....	151
Carpet layer.....	2	.....	2
Carriage-maker.....	3	.....	3
Carriagesmith.....	1	.....	1
Carriage washer.....	4	.....	4
Chemist.....	1	.....	1
Cigarmaker.....	13	.....	13
Clergyman.....	1	.....	1
Clerk.....	80	.....	80
Cloth finisher.....	1	.....	1
Clockmaker.....	1	.....	1
Coachman.....	16	.....	16
Coalheaver.....	27	.....	27
Conductor.....	3	.....	3
Confectioner.....	7	2	9
Cook.....	58	55	113
Cooper.....	15	.....	15
Coppersmith.....	1	.....	1
Cornice-maker.....	2	.....	2
Currier.....	33	.....	33
<i>Carried forward</i>	858	62	920

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	858	62	920
Cutter, clothing.....	8	.....	8
Domestic .....	.....	573	573
Dressmaker .....	.....	4	4
Druggist.....	9	.....	9
Dyer.....	5	.....	5
Electrician	17	.....	17
Elevator man.....	1	.....	1
Engineer.....	28	.....	28
Farmer	75	.....	75
File-maker.....	1	.....	1
Fireman.....	123	.....	123
Fishcutter.....	4	.....	4
Fisherman	34	.....	34
Floor-layer.....	4	.....	4
Florist.....	9	.....	9
Furniture-polisher.....	30	.....	30
Furrier.....	1	.....	1
Gardener	53	.....	53
Gasfitter	8	.....	8
Gilder	2	.....	2
Glass-cutter.....	1	.....	1
Glass-maker.....	3	.....	3
Glazier	5	.....	5
Glue-maker	1	.....	1
Goldbeater.....	1	.....	1
Hackman.....	11	.....	11
<i>Carried forward</i>	1,292	639	1,931

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	1,299	639	1,931
Harness-maker.....	13	.....	13
Hatter.....	8	.....	8
Horseshoer.....	24	.....	24
Hostler.....	89	.....	89
Housewife.....	.....	368	368
Ironworker.....	32	.....	32
Janitor.....	18	.....	18
Janitress.....	.....	1	1
Jeweller.....	4	.....	4
Journalist.....	1	.....	1
Junk dealer.....	7	.....	7
Knitter.....	1	.....	1
Laborer.....	2,268	.....	2,268
Lamp-lighter.....	2	.....	2
Last-maker.....	1	.....	1
Lather.....	18	.....	18
Laundress.....	.....	61	61
Leather-cutter.....	3	.....	3
Leather-finisher.....	4	.....	4
Lineman.....	6	.....	6
Lithographer.....	1	.....	1
Locksmith.....	1	.....	1
Longshoreman.....	25	.....	25
Loom-fixer.....	2	.....	2
Machine-operator.....	5	4	9
Machinist.....	64	.....	64
<i>Carried forward</i>	3,889	1,073	4,962

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	3,889	1,073	4,962
Marble-polisher	9	.....	9
Mason, stone.....	42	.....	42
Masseur	1	.....	1
Mattress-maker.....	6	1	7
Messenger	5	.....	5
Metal polisher.....	11	.....	11
Milkman.....	1	.....	1
Milliner.....	.....	1	1
Millwright.....	4	.....	4
Miner.....	2	.....	2
Moulder, iron.....	34	.....	34
Moulder, brass	8	.....	8
Musician.....	5	.....	5
Music teacher.....	.....	1	1
Nickel-plater.....	1	.....	1
Nurse	7	3	10
Oil-cloth maker	2	.....	2
Optician	1	.....	1
Packer.....	3	.....	3
Painter	194	.....	194
Paper-hanger	10	.....	10
Paper-maker	1	.....	1
Paper-sorter.....	1	.....	1
Pattern-maker	4	.....	4
Paver.....	8	.....	8
Pedler	102	.....	102
<i>Carried forward</i>	4,351	1,079	5,430

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,351	1,079	5,430
Photographer	9	.....	9
Piano-maker	7	.....	7
Piano tuner	2	.....	2
Plasterer.....	38	.....	38
Plumber	45	.....	45
Plumber's helper.....	12	.....	12
Porter	20	.....	20
Pressman, clothing	11	.....	11
Printer	80	.....	80
Quarryman.....	2	.....	2
Rag-picker	2	.....	2
Rigger	5	.....	5
Roofer	20	.....	20
Rope-maker	7	2	9
Rubber-worker.....	21	2	23
Sailmaker.....	1	.....	1
Sailor.....	128	.....	128
Salesman	21	.....	21
Saleswoman.....	.....	1	1
Sawyer	9	.....	9
Seamstress .....	.....	10	10
Shipper.....	11	.....	11
Shirtmaker.....	.....	1	1
Shoe-cutter.....	7	.....	7
Shoe-laster.....	12	.....	12
<i>Carried forward</i>	4,821	1,095	5,916

TABLE NO. 15.—*Continued.*

	Males.	Females.	Total.
<i>Brought forward</i>	4,821	1,095	5,916
Shoemaker	134	.....	134
Shoe-stitcher.....	3	1	4
Showman	2	.....	2
Spinner	14	1	15
Spring-bed maker	1	.....	1
Steamfitter	38	.....	38
Steamfitter's helper.....	3	.....	3
Steel worker.....	2	.....	2
Stenographer.....	1	.....	1
Steward.....	4	.....	4
Stonecutter.....	41	.....	41
Stone-driller	7	.....	7
Storekeeper	4	.....	4
Stove mounter.....	2	.....	2
Surveyor	1	.....	1
Switchman.....	1	.....	1
Tailor.....	35	.....	35
Tailoress.....	.....	9	9
Teamster	649	.....	649
Telegrapher.....	5	.....	5
Tinsmith.....	32	.....	32
Tool-sharpener	7	.....	7
Track-layer	4	.....	4
Trunk-maker.....	4	.....	4
Type-maker.....	1	.....	1
Umbrella-maker.....	2	.....	2
<i>Carried forward</i>	5,818	1,106	6,924

TABLE NO. 15. — *Concluded.*

	Males.	Females.	Total.
<i>Brought forward</i>	5,818	1,106	6,924
Undertaker	1	.....	1
Upholsterer.....	16	.....	16
Varnisher	5	.....	5
Vocalist	2	.....	2
Waiter.....	137	.....	137
Waitress .....	.....	16	16
Watchmaker	3	.....	3
Watchman	1	.....	1
Water inspector.....	1	.....	1
Weaver.....	22	1	23
Weigher.....	1	.....	1
Wheelwright	8	.....	8
Whitewasher.....	15	.....	15
Wire-worker	2	.....	2
Wood-carver	7	.....	7
Wood-turner.....	7	.....	7
Wood-worker.....	2	.....	2
Wool-sorter	5	.....	5
Total	6,053	1,123	7,176

CHAPLAINS' REPORT.

BOSTON, MASS., February 1, 1901.

JAMES R. GERRISH, ESQ.,

Master, House of Correction, Deer Island:

DEAR SIR, — I have the honor to submit the following report for the year ending January 31, 1901:

The result of the past year's work has been encouraging in many ways. Some of the more unfortunate inmates have been softened under helpful influence.

Religious instruction has been imparted to all.

Services have been held every Sunday — at Rainsford Island in the morning, at Long Island in the forenoon and at Deer Island in the afternoon. In addition to these preaching services, funeral and baptismal rites have been administered and many calls made on the sick in the hospitals of both Deer and Long Islands. At the latter place social services are held each week.

Many hours have been spent in interviewing prisoners who have come for advice concerning reformation and for assistance in obtaining work. To every known call for Christian help a response has been given.

Miss Baker, the organist, attends faithfully to her duties. Our choir, made up of inmates, deserves much credit for its interest and enthusiasm.

The Library is still a source of instruction and diversion, five hundred books being circulated weekly. All its needs, including renewal and re-covering of books are carefully attended to. We very much appreciate the donations from the Hospital Newspaper Society, which have been very useful.

I take great pleasure in my work, believing that no earnest labor is ever lost. Therefore, with your assistance and encouragement, which I gratefully acknowledge, I look forward with much hope to the coming year.

Respectfully submitted,

W. B. TOULMIN,

Chaplain and Director of Music.

HOUSE OF CORRECTION, DEER ISLAND,
BOSTON HARBOR, February 1, 1901.

MR. JAMES R. GERRISH,

Master :

I have the honor to submit the yearly report of my work as Chaplain to the Catholic Inmates of the House of Correction.

Services have been held regularly on Sundays, and on alternate Mondays, at an early hour, to enable all who might wish to receive the Sacraments. About four hundred made use of this opportunity during this year.

About one hundred and fifty, on leaving the Institution, took the total abstinence pledge for one or more years.

In the Hospital one hundred and thirty were prepared for death. Of this number thirty died.

Baptism was given to seven infants.

I wish to thank the Honorable Commissioner, Assistant Commissioner, Master, Deputy Master and Resident Physician for their courtesy and kindness.

Very respectfully,

P. H. BRENNAN, S.J.,

Catholic Chaplain.

REPORT OF RESIDENT PHYSICIAN.

BOSTON HARBOR, February 1, 1901.

TO JAMES R. GERRISH, ESQ.,

Master Deer Island Institution :

SIR,—I herewith respectfully beg to submit the annual report of the Medical Department of the Institutions under your jurisdiction :

OBSERVATION HOSPITAL.

Patients remaining in Hospital February 1, 1900	.	14
Admitted :		
Males	155	
Females	34	
	—	189
Total		<u>203</u>
Discharged	184	
Died	12	
	—	196
Remaining in Hospital February 1, 1901		7
Total		<u>203</u>
Largest number in Hospital at one time	16	
Smallest “ “ “	2	
Daily average	9	

HOUSE OF CORRECTION, DEER ISLAND, HOSPITAL.

Patients remaining in Hospital February 1, 1900	.	98
Admitted :		
Males	885	
Females	484	
	—	1,369
Total		<u>1,467</u>
Discharged	1,363	
Died	23	
	—	1,386
Remaining in Hospital, February 1, 1901		81
Total		<u>1,467</u>

Largest number in Hospital at one time	.	.	107
Smallest " " " " "	.	.	58
Daily average	.	.	80

RECAPITULATION.

Number of Patients in Hospital February 1, 1900 :

Observation Hospital	.	.	.	.	14	
House of Correction	.	.	.	.	98	
						<u>112</u>

Admitted :

Observation Hospital	.	.	.	.	189	
House of Correction	.	.	.	.	1,369	
						<u>1,558</u>

Total	.	.	.	.	.	<u>1,670</u>
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Discharged :

Observation Hospital	.	.	.	.	184	
House of Correction	.	.	.	.	1,363	
						<u>1,547</u>

Died :

Observation Hospital	.	.	.	.	12	
House of Correction	.	.	.	.	23	
						<u>35</u>

Remaining in Hospital February 1, 1901 :

Observation Hospital	.	.	.	.	7	
House of Correction	.	.	.	.	81	
						<u>88</u>

Total	.	.	.	.	.	<u>1,670</u>
-----------------	---	---	---	---	---	--------------

Largest number in Hospital at one time	.	.	.	115
Smallest " " " " "	.	.	.	62
Daily average	.	.	.	<u>90</u>

DISEASES TREATED IN THE HOSPITAL OF ALL THE DEPARTMENTS.

Classified According to the Nomenclature of Diseases, as Published by the Royal College of Physicians of London.

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
A.								
Typhoid fever.....	1	2	3	.....	.....	.....	3	
Febricula		20	20	.....	.....	.....	20	
Erysipelas.....		10	10	.....	.....	.....	10	
Chronic malarial poisoning.....	2	.....	2	.....	.....	.....	2	
Influenza.....		39	35	.....	.....	.....	35	4
Malaria		21	20	1	...	...	21	
B.								
Rheumatism, muscular.....		6	6	.....	.....	.....	6	
“ articular.....	5	43	32	14	.....	.....	46	2
“ “ chronic.....		1	.....	.....	.....	.....	.....	1
Opium habit.....	1	3	4	.....	.....	.....	4	
Alcoholism.....	6	429	414	4	2	.....	420	15
Delirium tremens		203	189	.....	5	4	198	5
Observation	5	6	11	.....	.....	.....	11	
Malingering		11	11	.....	.....	.....	11	
General debility.....	12	46	54	2	.....	.....	56	2
Senile “		3	.....	3	.....	.....	3	
Tubercular ulceration of intestines...		1	.....	1	.....	.....	1	
Myasthenia.....		8	6	2	.....	.....	8	
Jaundice.....		3	3	.....	.....	.....	3	
Gastric ulcer.....		1	.....	1	.....	.....	1	
Diabetes		3	1	1	1	.....	3	
Tubercular glands.....		1	.....	1	.....	.....	1	
Tuberculosis.....		3	.....	3	.....	.....	3	
Rheumatoid arthritis.....		1	.....	.....	.....	.....	.....	1

DISEASES TREATED, ETC. — *Continued.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
DISEASES OF THE NERVOUS SYSTEM.								
Paralysis	1	.....	.....	1	.....	.....	1	
Tabes dorsalis.....	.....	4	.....	4	.....	.....	4	
Hysteria.....	.....	4	2	2	.....	.....	4	
Epilepsy.....	4	31	8	26	.....	1	35	
Neuralgia.....	2	12	14	.....	.....	.....	14	
Sciatica .....	.....	1	1	.....	.....	.....	1	
Pleurodynia.....	1	2	3	.....	.....	.....	3	
Lumbago .....	.....	5	5	.....	.....	.....	5	
Myalgia.....	.....	2	2	.....	.....	.....	2	
Peripheral neuritis.....	.....	1	.....	.....	.....	.....	.....	1
Oedema and congestion of the brain..	.....	2	.....	.....	2	.....	2	
Haemicrania.....	.....	1	.....	.....	.....	.....	.....	1
Neuritis.....	.....	1	1	.....	.....	.....	1	
DISEASES OF THE INTELLECT.								
Insanity.....	10	20	.....	7	22	.....	29	1
Mania, acute.....	.....	1	1	.....	.....	.....	1	
Melancholia.....	.....	1	.....	1	.....	.....	1	
Dementia	2	6	.....	.....	6	.....	6	2
Alcoholic insanity.....	.....	2	.....	.....	2	.....	2	
DISEASES OF THE CIRCULATORY SYSTEM.								
Functional disease of the heart.....	.....	7	7	.....	.....	.....	7	
Valvular “ “ “	2	.....	.....	2	.....	.....	2	
Mitral insufficiency.....	.....	22	1	17	4	.....	22	
Aortic “ .....	.....	1	.....	1	.....	.....	1	
“ stenosis.....	.....	9	.....	9	.....	.....	9	
Dilatation of the heart.....	.....	4	.....	3	1	.....	4	
Hydropericardium .....	.....	1	.....	.....	1	.....	1	
Hypertrophy of the heart.....	.....	6	.....	3	3	.....	6	
Fatty degeneration of the heart.....	.....	14	.....	.....	14	.....	14	
Thrombosis of the heart.....	.....	1	.....	.....	.....	1	1	

DISEASES TREATED, ETC. — *Continued.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
Infarction of the spleen		1	.....	.....	1	.....	1	
Endocarditis		2	.....	.....	2	.....	2	
Pericarditis.....		2	.....	.....	2	.....	2	
Arterio sclerosis.....		26	.....	3	21	.....	24	2
Myocarditis.....		1	.....	1	.....	.....	1	
Mitral stenosis.....		1	.....	1	.....	.....	1	
Anæmia.....		2	1	1	.....	.....	2	
“ pernicious.....		1	.....	1	.....	.....	1	
DISEASES OF THE RESPIRATORY SYSTEM.								
Hæmoptysis	2	6	6	2	.....	.....	8	
Bronchitis, acute	2	23	23	1	.....	.....	24	1
“ chronic.....		1	.....	.....	.....	.....	.....	1
Asthma	1	23	3	20	.....	.....	23	1
Pneumonia	1	9	3	.....	.....	6	9	1
Phthisis, pulmonalis.....	4	36	1	32	.....	4	37	3
Pleurisy.....		15	7	4	3	.....	14	1
“ with effusions.....		3	3	.....	.....	.....	3	
Bronchiectasis.....		1	.....	1	.....	.....	1	
Congestion and oedma of the lungs... ..		16	.....	.....	5	11	16	
Chronic adhesive pleuritis.....		1	.....	.....	1	.....	1	
Acute fibrino-purulent pleuritis.....		1	.....	.....	1	.....	1	
Emphysema of the lungs... ..		2	.....	1	1	.....	2	
Carcinoma of larynx.....		1	.....	1	.....	.....	1	
Rhinitis.....		1	1	.....	.....	.....	1	
Hemorrhage		4	1	3	.....	.....	4	
Laryngitis		1	1	.....	.....	.....	1	
DISEASES OF THE FAUCES AND PALATE.								
Tonsillitis.....		33	33	.....	.....	.....	33	
“ (foll.).....		3	3	.....	.....	.....	3	
Pharyngitis.....		5	4	.....	.....	.....	4	1
Elongated uvula.....		1	1	.....	.....	.....	1	

DISEASES TREATED, ETC. — *Continued.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
DISEASES OF THE DIGESTIVE SYSTEM.								
Gastritis	2	5	4	.....	3	.....	7	
Dyspepsia		3	3	.....	.....	.....	3	
Gastro-enteritis.....		3	.....	.....	2	1	3	
Dysentery		1	1	.....	.....	.....	1	
Diarrhœa	2	55	53	2	.....	.....	55	2
Constipation.....		9	9	.....	.....	.....	9	
Intestina colic		2	2	.....	.....	.....	2	
Cholera morbus.....		3	3	.....	.....	.....	3	
Indigestion		70	67	3	.....	.....	70	
Cirrhosis of the liver.....		2	.....	.....	2	.....	2	
Fatty infiltration of the liver.....		5	.....	.....	5	.....	5	
Stomatitis		2	2	.....	.....	.....	2	
Appendicitis....		4	2	2	.....	.....	4	
Enteritis		1	1	.....	.....	.....	1	
Cancer of the tongue.....		1	.....	.....	1	.....	1	
DISEASES OF THE URINARY SYSTEM.								
Nephritis, acute.....		131	113	12	2	3	130	1
“ chronic.....		25	.....	8	12	4	24	1
Cystitis		13	2	8	3	.....	13	
Abscess of kidney.....		1	.....	.....	1	.....	1	
Infarction of kidney.....		1	.....	.....	1	.....	1	
Fatty degeneration of kidney.....		2	.....	.....	2	.....	2	
Acute intercapillary glomerulo-nephritis.....		1	.....	.....	1	.....	1	
Enlarged prostate.....		1	.....	1	.....	.....	1	
DISEASES OF WOMEN.								
Endometritis		3	3	.....	.....	.....	3	
Vaginitis.....		1	1	.....	.....	.....	1	
Dysmenorrhœa		4	3	1	.....	.....	4	
Menorrhagia.....		8	7	1	.....	.....	8	
Pregnancy.....	8	14	11	.....	10	.....	21	1

DISEASES TREATED, ETC. — *Continued.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
Catamenia.....		1	1				1	
Ovaritis.....		1	1				1	
Ovarian neuralgia.....		2		1			1	1
Cystocele		2		2			2	
Rectocele		1		1			1	
Prolapse of rectum.....		1		1			1	
Miscarriage.....		4	4				4	
DISEASES OF THE CUTANEOUS SYSTEM.								
Erythema.....		5	5				5	
Psoriasis.....		2		2			2	
Eczema.....	1	5	6				6	
Pediculi capitis.....		7	7				7	
“ pubis.....		9	9				9	
Trichophytosis circinata.....		1	1				1	
Scabies.....		1	1				1	
Sycosis.....		1		1			1	
VENEREAL DISEASES.								
Gonorrhoea		19	1	16			17	2
Bubo.....		2	1	1			2	
Chancroids.....	1	11	4	6			10	2
Orchitis		3	2				2	1
Stricture of the urethra.....		8	1	7			8	
Venereal warts.....		2	2				2	
Epididymitis		1		1			1	
Syphilis.....	4	39		34			34	9
“ Secondary.....	5	17		22			22	
“ Tertiary	3	7		10			10	
Phimosis		1	1				1	
Chancre.....		29	27	2			29	
INJURIES.								
Frost bites.....		2	1	1			2	
Contusions.....	1	29	26	3			29	1

DISEASES TREATED, ETC.—Continued.

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
Contusions of eye.....		6	6				6	
Dislocation of shoulder.....		6	5	1			6	
“ “ “ (old).....		1						1
Lacerated wounds.....		1	1				1	
“ “ scalp	2	11	11	1			12	1
“ “ finger.....		2	2				2	
“ “ lip.....		2	2				2	
“ “ hands.....		2	1				1	1
“ “ eye.....		1	1				1	
“ “ leg		2	2				2	
Sprain of wrist... ..		1	1				1	
“ “ back.... ..		3	3				3	
“ “ ankle.....		5	4				4	1
“ “ knee.....		1	1				1	
“ “ elbow		1	1				1	
Fracture of inf. maxilla.....	1	1	1				1	1
“ “ patella.....		1		1			1	
“ “ ulna		2	2				2	
“ “ ribs		9	7	2			9	
“ “ leg		2	1	1			2	
“ “ ankle.....	1		1				1	
“ “ metacarp		2	2				2	
“ “ finger.....		1	1				1	
Colles' fracture.....		1		1			1	
Amputation of finger.....		1		1			1	
Septic scalp wound.....		1	1				1	
Severed tendon.....		1	1				1	
Man bite.....		1	1				1	
UNCLASSIFIED.								
Varicose veins.....		3	1	2			3	
Hemorrhoids	1	6	5	2			7	
Fistula-in-ano		5		4			4	1

DISEASES TREATED, ETC. — *Continued.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
Necrosis toe.....		1	.....	1	.....	.....	1	
Abscess		7	7	.....	.....	.....	7	
“ of cervical.....		1	1	.....	.....	.....	1	
“ “ axilla		5	5	.....	.....	.....	5	
“ “ vulva		2	1	1	.....	.....	2	
“ “ pelvis		1	1	.....	.....	.....	1	
“ “ thigh.....		3	1	1	.....	.....	2	1
“ “ breast....		1	1	.....	.....	.....	1	
“ “ face.....		2	2	.....	.....	.....	2	
“ “ ear.....		1	1	.....	.....	.....	1	
UNCLASSIFIED.								
Abscess of gum.....		1	1	.....	.....	.....	1	
“ “ knee		1	.....	1	.....	.....	1	
Mastoid abscess		1	.....	.....	.....	.....	.....	1
Gluteal “		2	1	.....	.....	.....	1	1
Sub-maxillary abscess		1	1	.....	.....	.....	1	
Ischio rectal “		1	.....	1	.....	.....	1	
Ulcers	7	.....	6	1	.....	.....	7	
“ syphilitic		1	.....	1	.....	.....	1	
“ of leg.....		16	8	7	.....	.....	15	1
“ “ finger		1	1	.....	.....	.....	1	
“ “ elbow		2	1	.....	.....	.....	1	1
“ varicose.....		11	.....	11	.....	.....	11	
Hernia, inguinal.....		15	7	7	.....	.....	14	1
“ ventral		4	1	2	1	.....	4	
Furuncle		1	1	.....	.....	.....	1	
Carbuncle		2	2	.....	.....	.....	2	
Hydrocele		2	.....	2	.....	.....	2	
Cellulitis.....	1	8	7	2	.....	.....	9	
Synovitis		1	.....	.....	.....	.....	.....	1
Epistaxis		1	1	.....	.....	.....	1	
Inguinal adenitis.....		2	1	1	.....	.....	2	

DISEASES TREATED, ETC. — *Concluded.*

DISEASES.	In Hospital, Feb. 1, 1900.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1901.
			Well.	Improved.	Unimproved.	Died.	Total.	
Adenitis		1	1	.....	.....	.....	1	
Lipoma		2	2	.....	.....	.....	2	
Foreign body in eye.....		1	1	.....	.....	.....	1	
" " " thigh.....		1	1	.....	.....	.....	1	
Septic finger.....		2	2	.....	.....	.....	2	
" arm.....		2	2	.....	.....	.....	2	
" eye.....		2	2	.....	.....	.....	2	
" toe.....		1	.....	1	.....	.....	1	
" nose.....		1	1	.....	.....	.....	1	
" hand		1	.....	1	.....	.....	1	
" lip.....		1	.....	1	.....	.....	1	
Enucleation of eye, left.....		1	.....	1	.....	.....	1	
Cataract " " right.....		1	.....	.....	1	.....	1	
Heat prostration		1	1	.....	.....	.....	1	
Sebaceous tumor		3	3	.....	.....	.....	3	
Displaced bones of wrist		1	... ..	1	.....	.....	1	
Ulcerated tooth.....		1	1	.....	.....	.....	1	
Enlarged glands of neck.....		1	.....	.....	.....	.....	.....	1
Frozen feet.....		1	.....	1	.....	.....	1	
DISEASES OF THE EYE.								
Conjunctivitis		9	7	2	.....	.....	9	
Iritis.....		1	1	.....	.....	.....	1	
DISEASES OF THE EAR.								
Otitis.....		1	1	.....	.....	.....	1	
" media.....		1	1	.....	.....	.....	1	
	114	2,048	1,496	296	147	35	2,071	91

NOTE.— The difference between the above statistics and the preceding table is attributed to the fact that one patient may be afflicted with several diseases, thus increasing the classification of the latter, while the numerical statistics of actual population remains the same.

Three prisoners who remained overtime have died: One of pneumonia, one of gastritis, and the third of phthisis pulmonalis.

During the year thirty-seven children have been treated in the Hospital. There have been eleven births, of which seven were males and four females. Of these children, one was still-born, and four were premature, while two of the latter died. One child died of tuberculosis.

In addition to those admitted to the Hospital there have been, on an aggregate, 1,945 treatments given to out-patients during each month of the year.

I wish, at this time, to avail myself of the opportunity to thank you for our new operating room as well as for the increased surgical facilities of the Hospital, and also for the generous aid and co-operation which you have always given me. With the opening of the new wards for tuberculosis cases the Hospital will take a long step in the way of progress, as this most desirable result will enable us to completely isolate the contagious cases.

Dr. Paul Carson and Dr. James S. Black are associated with me, and their efficient and faithful services are duly appreciated.

Again thanking you for many courtesies, I am,

Very respectfully,

ALBERT A. TAFT, M.D.,

Resident Physician.



ANNUAL REPORT
OF THE
PRINTING DEPARTMENT
FOR THE YEAR 1900-1901.

OFFICE OF THE SUPERINTENDENT OF PRINTING,
BOSTON, MASS., March 5, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — In accordance with the requirements of chapter 3, section 24, of the Revised Ordinances of 1898, and the Order of the City Council of January 7, 1901, I herewith respectfully submit a detailed report of the business of the Printing Department of the City of Boston for the financial year beginning on February 1, 1900, and ending on January 31, 1901.

The rooms now occupied by the Department, 152 Purchase street, are well appointed for carrying on the business, and were taken possession of, finally, after several weeks' time having been consumed in the moving, in January, 1900. The Department, from the establishment of a municipal printing office, had occupied rooms in the building 611 Washington street.

The total expense of moving from the old quarters to the new, including alterations and fittings necessary to the requirements of a modern, first-class printing office, amounted to \$5,313.43. Of that amount, \$275 was taken from the appropriation of the previous year.

The balance, \$5,038.43, was paid from the appropriation of 1900.

The quarters of the Department, containing 14,000 square feet of floor space, are leased by the City for a term of six years, beginning on January 1, 1900, and ending on December 31, 1906. The rent is \$4,200 per year, including heat, power, and elevator service.

The number of persons employed in this Department varies at different seasons of the year, according to the amount of work in hand. On February 1, 1901, the number of employees was: Composing-room, 75; press-room, 30; proof-room, 8; office, 8; Superintendent, Assistant Superintendent, and Purchasing Agent, aggregating 124 persons, which may be considered an average force of the year.

Good salaries are paid, and the customs of the several unions affiliated with the Allied Printing Trades are observed.

On June 12, 1900, the management of the Department came under my supervision, and from July 1, 1900, to January 31, 1901, the total receipts and expenses have been as follows (see Report of Harvey S. Chase, Special Examiner, dated February 23, 1901, hereto appended):

Total Receipts (seven months)	\$107,721 11
Total Expenditures (including depreciation)	103,452 47
Surplus from operation (seven months)	4,268 64

Beginning with September of last year, a new price-list was put into effect, to comply more closely with the conditions under which the office was then working. The price-list was first submitted for revision to experts in the respective branches of the printing trade. Previous to that time, charges were made substantially on the basis of the old contract system, when the City printing was done by a private concern working ten hours per day.

Private concerns are now working under a nine-hour day, with an advanced wage scale. Therefore, it is reasonable to presume that the City would have advanced the price for printing, had it continued to be done by a private concern.

The old contract system established years ago, which applied to the different grades of work at that time, is obsolete. The present price-list, which shows a variation in prices (some higher and some lower) has proved more equitable and satisfactory.

When the old contract was made, ten hours constituted a day's work. The Department is now working under an eight-hour law, with the additional expense of the half holiday on Saturdays (six months in the year) and all legal and special holidays, for all of which the men are paid.

Against private concerns averaging perhaps nine hours per day, or 2,808 hours per year (holidays not paid for), at the average rate of \$16.50 per week, or $30\frac{3}{5}$ cents per hour, the Municipal Printing Department, working eight hours per day, Saturdays until 12 o'clock for six months, until 5 o'clock the other six months, 305 working days, or 2,392 hours, at \$16.50 per week, would pay 36 cents per hour; add eight holidays, that the employees are paid for, \$23.04 each, making 37 cents per hour for the year. As labor is by far the largest item of cost involved in the printing business, it will be seen that the Municipal Printing Department, owing to the fewer number of hours worked therein, is practically paying twenty per cent. more for wages.

With the exception of about seven weeks, this Department was run on a nine-hour basis during the previous year. Compared with the hours now worked in the Department, which is one hour less a day than those worked the previous year, to which must also be added a half-holiday on Saturdays for three extra months, making in all a half-holiday for six months of the year on Saturdays, there appears an increase in the pay-roll of \$13,027.76.

Even with the changed conditions of the printing business, under the price-list now in operation in this Department, the old contract price is adhered to on some of the largest work; for instance, the Voting and Assessors' Lists, both of which have gradually developed to vast proportions. These jobs would tax the capacity of the largest printing establishments in the City, considering the short time allotted for the completion of the work. With the kind and courteous co-operation of the Assessing and Election Departments, the important work of printing the Assessors' List and Voting List was consummated very successfully last year.

This Department is now equipped and systematized to do the City's printing with speed, accuracy, and quality of workmanship second to no printing establishment in the country.

Practically the entire Plant of the Department as

originally purchased has been sold or laid aside, and the Plant at present consists of new presses, with the latest and necessary improvements. During the four years of its operation, over \$19,000 has been expended for type, rules, galleys, etc.

Considering the great volume of printing done for the City, few complaints have reached this office, while many letters of commendation on the promptness and accuracy of the work have been received.

I must respectfully suggest to patrons of this Department that a careful revision of copy before reaching the printer would avoid what oftentimes appears to be an excessive charge for work when completed. "Authors' corrections" are always items of considerable expense. To take a job, after it has first been placed in type, and change the construction, the phraseology, the ruling, etc., makes a new job of it, and the brunt of its extra cost must be placed somewhere. Holding back proofs is another unprovided-for item of expense to this Department. If the different Departments were to return their proofs promptly, many items of cost would be saved. Keeping type standing from week to week delays the progress of other work and increases the bills for extra material. In justice to this Department it may be necessary to charge for standing type, after holding a reasonable time, as is customary in private concerns.

Believing that the only way to carry on the Department to a successful issue is to conduct it on purely business principles, and have it conform to the rules governing a private competitive concern, the management has been resolved to handle it on that line. This resolution requires all the strengthening that can possibly be given it, for if employment for other reasons than proficiency and skill are to be encouraged and permitted, then, certainly, we may look for the deterioration of the force to whose hands good work is to be entrusted; the City's interest in good printing, at moderate cost, will pass away, and municipal ownership will receive a very considerable set-back.

And this would be much regretted, for this office, in its present excellent condition, ought to be able not only to meet its running expenses, but, as the examiner states, should also be able to make a profit from its earnings sufficient to cover the interest upon its capital of \$50,000, and an amount of surplus or reserve equiva-

lent to payment into a sinking-fund to redeem the original expenditure by the City for its establishment. This, I feel confident, can be done when the Department is conducted as a private concern is conducted, and when the tenure of office of those in its employ depends only on their ability and attention to business.

The printing business is a technical trade, with accumulated and increasing technique, and requires constant study and watchfulness to keep pace with the onward march, and those who expect to make a livelihood thereby must keep themselves prepared and be abreast of the modern improvements and requirements, or else be thrown out as drones from the busy hive of active business.

In conclusion, I urge that all undue influences be withheld from the Municipal Printing Department, so that it may be conducted without hindrance on a business basis, according to the Revised Ordinances.

SUMMARY OF RECEIPTS AND EXPENDITURES.

1. *Receipts During the Year.*

From City Departments	\$125,214 40
For Documents (charged to Appropriation)	25,675 77
For rebates on heating	36 50
From increase of stock on hand	3,046 03
Total	<u>\$153,972 70</u>

2. *Expenditures During the Year.*

Pay rolls (including salaries)	\$94,105 66
Paper stock, etc.	21,492 54
Binding, ruling, etc.	22,547 03
Engraving, electros, etc.	2,965 11
Outside printing	546 78
Stationery	304 12
Rent	4,200 00
Rollers, supplies, etc.	758 24
Ink	1,068 88
Lighting	457 94
Telephone	262 98
Oil	116 58
Water	137 47
Repairs, ordinary	883 74
Repairs, extraordinary	562 49
Electric construction	181 32
Time clock	16 45
Car tickets	301 00
Teaming	331 39
Cleaning office, towels, etc.	234 82
Messengers	4 00
Miscellaneous	380 25
Moving and storing engine	125 50
Rules and orders	570 00
Moving expenses	272 79
Rebates	182 48
	<u>\$153,009 56</u>
Purchase of postage	10,510 55
<i>Carried forward</i>	<u>\$163,520 11</u>

<i>Brought forward</i>	\$163,520 11
Deduct the amount charged to appropriations,	6,500 00
Total operating expenses	\$157,020 11
Depreciation on Plant @ 10%	4,961 66
“ “ Construction % @ 20%	1,062 68
Bad accounts of previous years charged off	468 20
Total expenses	\$163,512 65
Total receipts	153,972 70
3. <i>Loss for year on operation</i>	<u>\$9,539 95</u>

APPROPRIATIONS.

Appropriations for year	\$45,400 00
Charges to Appropriation :	
For Documents	\$25,675 77
For general expense	6,500 00
	<u>32,175 77</u>
Surplus from appropriations	\$13,224 23
Deduct loss from operation	9,539 95
Net surplus from appropriations	<u>\$3,684 28</u>

4. *Cost of Plant.*

1897-8 :

John Cashman	\$30,000 00
Type, etc.	10,318 61
Furniture for office	295 62
Safe	187 50
Type	545 35

\$41,347 08.

Deduct presses sold	\$1,500 00
Deduct material sold	125 00

1,625 00

Jan. 31, 1898 \$39,722 08

1898-9 :

Presses	\$3,000 00
Type, etc.	2,296 99
Office furniture	680 50

Carried forward \$5,977 49 \$39,722 08

<i>Brought forward</i>	.	.	\$5,977 49	\$39,722 08
Presses	.	.	4,400 00	
Type	.	.	286 48	
			\$10,663 97	
Deduct presses sold	.	.	1,700 00	
				8,963 97
Jan. 31, 1899. Total	.	.	.	\$48,686 05
1899-1900 :				
Presses	.	.	\$7,755 00	
Type	.	.	2,106 40	
" (Jan.)	.	.	43 78	
Office furniture	.	.	371 00	
			\$10,276 18	
Deduct presses sold	.	.	\$750 00	
And material sold	.	.	27 75	
			777 75	
				9,498 43
Jan. 31, 1900. Total	.	.	.	\$58,184 48
1900-1901 :				
Type, presses, etc.	.	.	.	4,598 86
Office furniture %	.	.	.	250 95
Jan. 31, 1901. Total cost of Plant (4 years),				<u>\$63,034 29</u>

5. *Value of Plant.*

(Depreciation taken out.)

1898 :

		Value.	Depreciation.
Jan. 31. Cost as above	.	\$39,722 08	
Less depreciation at 10%	.	3,972 21	\$3,972 21
Jan. 31. Value at date	.	\$35,749 87	
1899 :			
Jan. 31. Additions for year as above (net)	.	8,963 97	
		\$44,713 84	
Less depreciation at 10%	.	4,471 38	4,471 38
Jan. 31. Value at date	.	\$40,242 46	
<i>Carried forward</i>	.	\$40,242 46	\$8,443 59

PRINTING DEPARTMENT.

9

<i>Brought forward</i>	.	.	\$40,242 46	\$8,443 59
1900 :				
Jan. 31.	Additions for year (net),		9,498 43	
			<u>\$49,740 89</u>	
	Less depreciation at			
	10%	.	4,974 09	4,974 09
			<u></u>	
Jan. 31.	Value at date	.	\$44,766 80	
1901:				
Jan. 31.	Additions for year	.	4,849 81	
			<u>\$49,616 61</u>	
	Less depreciation at			
	10%	.	4,961 66	4,961 66
			<u></u>	
	Total depreciation (four			
	years)	.		\$18,379 34
			<u>\$44,654 95</u>	
	<i>Present value of Plant,</i>			
			<u></u>	
	Total cost of Plant	.		\$63,034 29
	Total depreciation	.		18,379 34
				<u></u>
	Present value of Plant (as above)	.		<u>\$44,654 95</u>

FINANCIAL STATEMENT.

The following is a statement of the appropriations and revenue received from printing, postage, etc.; also expenditures, paid to January 31, 1901:

CREDITS OF PRINTING DEPARTMENT COLLECTED FROM FEBRUARY 1, 1900, to JANUARY 31, 1901.

Balance January 31, 1900	\$6,403 36
Appropriation	45,400 00
Revenue from printing, uncollected Feb. 1, 1900	20,152 25

Printing done at Plant, as follows:

Assessing Department	\$12,130 97
Auditing Department	731 19
Abolishing Grade Crossings	63 43
Building Department	1,685 56
Board of Appeal	4 60
Board of Aldermen, Contingent Fund	3,760 68
Bath Department	311 76
Collecting Department	1,661 56
City Clerk Department	322 05
City Messenger Department	1,161 89
Clerk of Committees Department	230 90
City Council, Incidental Expenses	120 69
City Council Proceedings	2,691 81
Cemetery Department	478 29
City Record	570 28
Common Council, Contingent Fund	436 82
Election Department	18,604 70
Engineering Department	477 89
Fire Department	1,057 55
Franklin Fund	41 65
Health Department	4,512 97
Hospital Department	3,092 49

Institutions:

Pauper Institutions Trustees —

Boston Almshouse and Hospital, Long Island	258 45
Charlestown Almshouse	6 51
Office Expenses	230 78

<i>Carried forward</i>	\$54,645 47	\$71,955 61
----------------------------------	-------------	-------------

<i>Brought forward.</i>	\$54,645 47.	\$71,955 61
Penal Institutions Trustees —		
House of Correction, South Boston	60 43	
Deer Island	63 41	
Office Expenses	152 41	
Trustees for Children —		
House of Reformation, R.I.	42 92	
Placing Out and Office Expenses,	206 08	
Parental School.	7 50	
Boston Insane Hospital Trustees	184 21	
Institutions Registration	852 93	
Lamp Department	156 04	
Law Department	209 36	
Law Incidentals	45 42	
Library Department	688 80	
Laying-Out and Construction of Highways	291 38	
Market Department	2 98	
Mayor's Department	289 18	
Music Department	67 45	
Overseeing of the Poor	301 75	
Park Department	863 99	
Public Parks	103 26	
Police Department	3,784 93	
Police Signal Service	434 36	
Liquor License	282 39	
House of Detention	149 13	
Public Celebrations	94 52	
Public Buildings	612 27	
Electrical Construction Division	59 20	
Repairs Division	20 65	
Public Grounds	90 43	
Registry Department	5,702 09	
Statistics Department	1,566 54	
Soldiers' Relief	84 40	
Schools	4,999 87	
School-house Agent	83 31	
Sinking Fund	234 25	
Sealing of Weights and Measures	245 30	
Street Laying-Out Department	272 78	
Street Laying-Out, Sewer Assessment,	25 00	
Street Sewerage Works	416 76	
Stony Brook Improvement.	39 59	
Street Department :		
Central Office	293 23	
Paving Division	3,817 52	
<i>Carried forward</i>	\$82,543 49	\$71,955 61

<i>Brought forward</i>	.	.	.	\$82,543 49	\$71,955 61
Bridge Division	.	.	.	459 37	
Sanitary Division	.	.	.	1,365 60	
Street Cleaning Division	.	.	.	842 75	
Watering Division	.	.	.	662 79	
Ferry Division	.	.	.	1,044 05	
Cambridge Bridge	.	.	.	112 82	
Sewer Division	.	.	.	4,271 14	
Treasury Department	.	.	.	464 53	
Wire Department	.	.	.	648 70	
Wayfarers' Lodge	.	.	.	24 78	
Water Department:					
Income Division	.	.	.	2,046 86	
Distribution Division	.	.	.	796 96	
Commissioner's Office	.	.	.	559 55	
County of Suffolk :					
Superior Civil Court	.	.	.	6,271 30	
Superior Criminal Court	.	.	.	957 94	
Superior Court	.	.	.	3 70	
Treasurer	.	.	.	72 89	
Registry of Deeds	.	.	.	551 85	
Court of Registration	.	.	.	166 17	
Probate Court	.	.	.	72 17	
Jail	.	.	.	5 20	
North District Medical Examiner	.	.	.	75 23	
Municipal Court, Charlestown	.	.	.	87 47	
Brighton	.	.	.	89 00	
West Roxbury	.	.	.	84 32	
South Boston	.	.	.	57 83	
					104,338 46
Revenue outside of City Departments:					
Printing	.	.	.	\$91 33	
Old material, type, and machinery,	.	.	.	827 49	
Steam-power	.	.	.	50 00	
					968 82
Total	.	.	.	.	<u>\$177,262 89</u>

EXPENDITURES OF PRINTING DEPARTMENT PAID FROM FEBRUARY 1, 1900, TO JANUARY 31, 1901.

Printing Plant.

Accounts unpaid January 31, 1900 . . . \$12,722 65

Pay Roll:

February . . .	\$5,329 72	
March . . .	7,927 94	
April . . .	6,524 20	
May . . .	8,767 05	
June . . .	8,239 28	
July . . .	8,790 17	
August . . .	10,264 44	
September . . .	6,497 05	
October . . .	7,800 43	
November . . .	8,443 83	
December . . .	6,649 25	
January . . .	6,871 76	
Extra overtime . . .	272 99	
		\$92,378 11

Binding, ruling, numbering, and perforating . . .	\$19,067 31	
Stock . . .	13,547 63	
Type . . .	4,491 83	
Rent . . .	3,500 00	
Sundry misc. expenses . . .	2,132 29	
Electro, engraving, etc., . . .	2,113 72	
Press-room supplies, etc., . . .	1,947 12	
Stationery, etc. . .	940 24	
Steam-power and lighting . . .	590 83	
Outside printing . . .	542 28	
Repairs, plumbing, carpenter work, etc. . .	403 37	
Moving expenses . . .	272 79	
Office furniture . . .	250 95	
Postage . . .	96 20	
		49,896 56

Drafts for postage, supplied to all Departments . . .	11,000 00	
		153,274 67

Total . . .	\$165,997 32
Balance unexpended January 31, 1901 . . .	11,265 57
	<u>\$177,262 89</u>

City Documents, etc., Charged to the Printing Appropriation.

No. of Copies.	Doc. No.		
3,500	4,	Auditor's Annual Report	\$3,135 28
2,500	43,	Municipal Register	2,255 45
2,000		Revised Ordinances 1898	1,772 56
		Auditor's Monthly Exhibit, 12 lots .	1,748 67
900	38,	Annual Report, Street Department .	1,472 76
900	41,	Annual Report, Water Commissioners,	1,102 18
900	17,	Annual Report, Hospital Department,	952 47
1,525		Fourth of July Oration	794 85
900	14,	Annual Report, Engineering Depart- ment	736 72
		Collector's Monthly Reports, 11 lots .	653 07
		Council Calendars, 38 lots	447 48
900	16,	Annual Report, Health Department .	633 87
900	23,	Annual Report, Library Department .	585 37
900	7,	Annual Report, Cemetery Department,	346 11
900	6,	Report of Building Department . .	307 57
1,900	30,	Report of Printing Department . .	279 96
900	27,	Annual Report, Park Department .	277 45
900	13,	Annual Report, Election Department,	274 59
		City Treasurer's Monthly Statements, 11 lots	262 01
900	29,	Annual Report, Penal Institutions Department	260 72
900	40,	Annual Report of the Treasury Department	249 62
900	8,	Annual Report of the Children's Institutions Department	242 58
		Order of Business, Aldermen, 37 lots,	234 37
900	12,	Annual Report, Collecting Department,	192 84
900	42,	Annual Report, Wire Department .	158 54
900	3,	Annual Report, Assessing Department,	149 71
900	28,	Annual Report, Pauper Institutions Department	134 77
900	39,	Annual Report, Street Laying-out De- partment	104 83
900	31,	Annual Report, Public Buildings De- partment	103 61
900	18,	Annual Report, Boston Insane Hos- pital	92 23
900	33,	Annual Report, Registry Department,	85 12
900	21,	Annual Report, Lamp Department .	77 95
900	26,	Annual Report, Overseeing of Poor Department	76 50
900	22,	Annual Report, Law Department .	73 25
900	19,	Annual Report, Institutions Registra- tion. Department	63 72

Carried forward \$20,338 78

<i>Brought forward</i>		\$20,338 78
No. of Copies.	Doc. No.	
900	15, Annual Report, Fire Department	57 43
900	37, Annual Report, Statistics Department, ...	55 82
900	32, Annual Report, Public Grounds Department	52 08
900	35, Annual Report, Sinking-Funds Department	29 30
900	5, Annual Report, Bath Department	22 05
900	25, Annual Report, Music Commissioners	19 67
900	34, Annual Report, Sealing Weights and Measures Department	17 85
900	10, Annual Report, City Messenger Department	11 40
900	24, Annual Report, Market Department	8 20
900	11, Annual Report, Clerk of Committees Department	4 61
900	36, Annual Report, Soldiers' Relief Department	4 21
900	2, Annual Report, Art Department	3 00
Binding 600 Executive Documents		1,207 50
Binding 800 City Documents		1,014 00
City Documents, 600 each		1,620 86
Clerk of Common Council		52 39
Printing Office		951 47
Postage, Printing Office		205 15
		\$25,675 77

Clerk of Common Council :

Printing	\$52 39
Stationery	8 50
Binding records	5 00
Stock	7 00
	\$72 89

The following is a statement of the expenditures for City Council — City Council Proceedings :

Newspaper reports from February 1, 1899, to February 1, 1900		\$8,500 00
Stenographic reports		5,100 00
Printing		2,691 81
Indexing proceedings		1,200 00
Binding		312 50
Stationery		3 95
		\$17,808 26

Printing and Stationery Expenditures.

Stationery, printing, binding, etc., supplied to the
different Departments of the City Government,
and paid for by same, outside of the City of
Boston Printing Plant

\$40,919 30

Respectfully submitted,

MICHAEL T. MONAHAN,

Superintendent of Printing.

REPORT

TO THE

MAYOR OF THE CITY OF BOSTON

UPON THE

BOOKS AND ACCOUNTS OF THE PRINTING DEPARTMENT

BY

HARVEY S. CHASE,

PUBLIC ACCOUNTANT AND AUDITOR,

8 Congress St., Boston.

REPORT.

8 CONGRESS STREET,
BOSTON, February 23, 1901.

HON. THOS. N. HART,

Mayor of the City of Boston :

SIR, — In accordance with the instructions of James H. Dodge, Esq., City Auditor, I have audited the books and accounts of the Printing Department of the City of Boston, and report as follows :

The Department's printing plant was established March 1, 1897, and has therefore been carried on for four years (nearly).

In connection with a careful audit of the past year in every detail, I have examined the published reports of the Department for the three years previous.

The results of each of the first two years were carefully audited in an excellent manner by a well-known accountant, and I accepted the details of the figures given in those years as correct, while rearranging the tabulations of these figures somewhat in order to get comparative results for all four years.

The report for the third year (1899–1900) was, however, not examined by an expert before publication, and I find certain errors therein. For instance, the report of last year showed a net gain for the year of \$2,127.97, including an item of stock of materials on hand at the end of the year, which was properly credited in the accounts, but the stock at the beginning of the year was not charged against the accounts, as should have been done, and when this correction is entered the supposed profit of \$2,127.97 is changed into a deficit of \$2,248.04.

Further, I find that while a special appropriation of \$2,000 was made that year for moving expenses, only \$275 was actually paid on moving account, which, as the total expense of removing and setting up the plant was given as \$5,313.43, left \$5,038.43 additional to be paid in the fourth year (1900–1901).

If this be added to the item above (\$2,248.04), the deficit for 1899–1900 becomes \$7,286.47.

FORM OF DEPARTMENT REPORT.

Finding these differences between the facts and the published figures, and, moreover, noting the great difficulty of interpreting the present form of report—which, while displaying excellently the details for comparison with the City Auditor's accounts (which is, of course, necessary and proper). does not contain a clear and comprehensive summary of the year's results, which is the thing most important for a report of this character to

show, in order that members of the City Government and the taxpayers may readily understand the figures and be able to draw correct deductions from them—I have, therefore, considerably changed the form of the report, and have introduced—

- First:* A statement of the total receipts for the year from all sources, in summary form.
- Second:* A statement of the total expenditures for the year, in similar form.
- Third:* The net gain or net loss for the year in detail, showing (*a*) what portion is derived from the operation of the printing plant; (*b*) what portion is derived from the ordinary appropriation for the Department; and (*c*) what portion is derived from special appropriations for new plant or other purpose.
- Fourth:* A statement of the cost of the plant to date, together with the charges which have been made on account of depreciation (at the rate previously adopted, viz.: 10% upon cost), giving
- Fifth:* The present structural value of the plant per the books.
- From the above I deduce
- Sixth:* The actual gain or loss to the City on account of the Printing Department, to the date of the report in question.
- Seventh:* The “Balance Sheet” of January 31, showing the total assets and liabilities of the Department on that date.

Following these statements comes the detailed “Financial Statement,” corresponding with the Auditor’s account of receipts and disbursements, and any other tabulations which may be required by ordinance or are customary and useful.

Having arranged this form for one year, I then rearranged the figures of the preceding years in similar form, and tabulated the whole of them as given in appendices attached hereto.

RESULTS.

The results of these tabulations are as follows:

1897–98.

Total receipts from the business	\$127,601 66
Total expenses (excluding plant, but including depreciation)	132,716 87
Deficit or loss (first year)	\$5,115 21
<i>Carried forward</i>	\$5,115 21

<i>Brought forward.</i>	.	.	.	.	.	\$5,115 21
1898-99.						
Total receipts	.	.	.	.	\$147,484 48	
Total expenses	.	.	.	.	144,655 25	
Gain (second year)	.	.	.	.	.	2,829 23
Net loss (two years)	.	.	.	.	.	\$2,285 98
1899-1900.						
Total receipts	.	.	.	.	\$137,451 06	
Total expenses	.	.	.	.	140,973 23	
Deficit or loss (third year)	.	.	.	.	.	3,522 17
Total loss for three years	.	.	.	.	.	\$5,808 15
1900-1901.						
Total receipts	.	.	.	.	\$153,972 70	
Total expenses	.	.	.	.	170,012 65	
Deficit (fourth year)	.	.	.	.	.	16,039 95
Total loss for four years	.	.	.	.	.	<u>\$21,848 10</u>

FIXED EXPENSES.

In considering the above results, it must be remembered that even if there were no printing plant, the City would be (had previously been) obliged to appropriate money for a Superintendent of Printing, to receive bids, etc., from private contractors for the printing, and also carry on the postage department (now a part of the printing).

The expense of this work — Superintendent's salary, clerks, stationery, expense, etc. — would figure about \$6,500 per year, probably, and if allowance of this amount is made for the four years above (viz.: charge \$26,000 to appropriations account instead of expense account) the results of the period would be as follows :

Total receipts for the four years	.	.	.	.	\$566,509 90
Total expenses	.	.	.	.	\$588,358 00
Deduct for fixed expenses (as explained above)	.	.	.	.	26,000 00
					\$562,358 00
Also item	.	.	.	.	1,330 11
					561,027 89

(Which is the balance of various items entered twice, and other corrections in the first three years' accounts.)

<i>Apparent profit from operation for four years</i>	.				<u>\$5,482 01</u>
--	---	--	--	--	-------------------

CAPITAL INVESTED BY THE CITY IN THE PLANT.

I have divided the appropriations made during these four years into two kinds, viz.: (a) "*Capital appropriations*," which consist of the \$40,000 originally appropriated to purchase the Plant in 1897, and \$10,000 appropriated for *Working Capital* in 1899; *total of \$50,000* which would correspond to the capital account of a private concern; and (b) Ordinary appropriations for expenses, etc.

This "*Capital Appropriation*" may be considered as loaned by the City to the Printing Plant, and the latter should earn interest thereon (enough to pay at least the rate the City has to pay on its bonds), and also should earn enough additional to create a sinking-fund, which would pay off the loaned capital in a reasonable number of years (say twenty).

If we figure this interest charge on \$50,000 as 4 per cent. per year, the total for four years would be \$8,000 00

And if the payment to sinking-fund be taken at \$1,500 per year, the total for four years would be, 6,000 00

Making a total *to be deducted* from the apparent profits from operation \$14,000 00
These profits (as above) being only 5,482 01

We have as a practical deficit upon the operation of the Plant for four years \$8,517 99

Or a *net loss* of \$2,129.50 per year.

BALANCE SHEET.

January 31, 1901.

<i>Assets.</i>		<i>Liabilities.</i>	
Plant	\$44,654 95	Capital account	\$50,000 00
Construction account	3,188 07	Accounts not yet paid	14,102 54
Stock on hand	12,569 64	Pay-roll not paid, ...	1,727 55
Cash on hand	958 85	Surplus to balance	27,671 18
Old accounts receivable	79 58		
Balance, City Treasurer	11,265 57		
Due from Departments	20,784 61		
	<u>\$93,501 27</u>		<u>\$93,501 27</u>

The "Surplus" above (\$27,671.18) as shown by the books, if diminished by the \$14,000 for interest and sinking-fund (described on previous page) would then become \$13,671.18 and this amount has been derived from the ordinary appropriations of the past year, which were \$45,400 as against the usual appropriation of from \$28,000 to \$30,000 per year (in previous years).

ORDINARY APPROPRIATIONS.

The total ordinary appropriations in the four years were	\$135,461 71
The total charges against them for public documents (\$87,272.54) and fixed expenses (\$26,000) should be	113,272 54
Leaving a balance	\$22,189 17
Deducting the loss from operation (previous page)	8,517 99
Gives us the surplus (as above)	<u>\$13,671 18</u>

The establishment of the above figures, which mutually prove the correctness of the results, was only brought about by a prolonged investigation, and complicated tabulation of the book accounts for all four years, as it has been the custom of the bookkeepers at the beginning of each year (February 1), to open the books with a fresh trial balance based on the apparent assets and liabilities which were properly reconciled with the City Auditor's balance of January 31, but which also contained other assets and liabilities than those which had (up to that date) reached the Auditor's office, and these were not always reconciled with the closing accounts of the previous year. Partly from this cause arises the item of \$1,330.11 entered above.

Hereafter the accounting in the Department's books will be continuous, and the balance sheet of the new year will be identical with the closing of the old year.

BOOKKEEPING.

The general details of the bookkeeping have been satisfactorily carried on, the books have been neatly and accurately kept and reflect much credit upon the bookkeepers, so far as their appearance is concerned.

The lack has been in the failure to lay out suitable new accounts to keep up with the facts of the business and the form of the Department's reports upon the various years' work. The bookkeepers are now heartily in accord with the changes instituted and in full sympathy with the desire to make the Department's annual reports clear, concise and accurate.

COST COMPARED WITH CONTRACT WORK.

All of the figures so far given have been based on the prices charged by the Printing Department to the other Departments for their printing and to the appropriation account for City Documents.

It is, therefore, apparent that if the Departments have been paying more than would be charged by outside private contractors for the same work, then these apparent profits to the City may be wholly fictitious, and the fact be that a heavier loss has occurred from the operation of the Plant than has been already set forth.

On the other hand, if these prices are less than outside contractors will accept, then the City would have made greater gains (or rather less losses) than those stated.

It is, of course, probable that the first alternative is the true one, rather than the second. Some of the reasons for such a conclusion are: Shorter hours of labor for the same, or higher wages; extra expenses for unnecessary men; difficulty of disciplining the employees and getting the work done as rapidly and economically as in a private plant, etc.

On the other hand, it is doubtless true that a plant such as this one, with all the presses, type, rules, etc., especially designed to handle the regular work of the City, would save money (other things equal) over a private plant not so well fitted and arranged, and as the printing required by the City is now greater than ever before, and contains many half-tone illustrations, etc., which add to the cost very materially, it is quite a problem to decide whether or not it would be to the City's advantage to dispense with the Plant entirely and rely upon private contractors, as was formerly done.

Also against the expenses and losses to the City should be credited whatever benefit there has been to the various Departments by having their work done at the Municipal Plant, which might arise from quicker completion of work, due to better facilities, better quality of printing, paper, etc., and better opportunities for corrections and additions by the Departments of their original copy furnished to printer, provided, of course, that the facts agree with the above statements. So far as I have been able to determine, there is considerable difference of opinion among heads of Departments, some being satisfied with the work and others dissatisfied.

Another and more evident merit of the Municipal Plant is the direct benefit to the employees therein, whose hours of labor have been shortened, holidays granted, and wages increased. This consideration is an important one, and one to be highly commended and continued, but the good results of such a policy should, of course, be made evident in the financial results of the Plant, which can scarcely be said to have been the case by the present showing, or else in the marked improvement in the work done for the Departments over that which would be done by less fortunate workmen in private concerns.

CONCLUSIONS.

It is evident that the Municipal Printing Plant has not had the financial success which was anticipated when the Plant was established in 1897, and it is further evident that unless a marked improvement is made in the results, the Plant must necessarily be dispensed with and the City printing handled by private contracts as formerly.

This would be a public misfortune, but, in my opinion, it can be avoided only by a rigid adherence to business principles in the management of the Plant, including the appointment and removal of employees. There is no doubt in my mind, after a careful examination of all the circumstances, that fifteen to twenty per cent. of the expenses of the Department would be saved, if the pressure of political influence in favor of applicants for positions were wholly removed, and the Superintendent left entirely free to run his Department as a private business is carried on, appointing experienced and capable employees only, and purchasing his materials wherever they can be bought at the lowest prices.

The present management is, I believe, endeavoring to do this and has the encouragement and support of the Mayor, but the absolute necessity for greater efforts in this direction is clearly evident from the figures submitted above.

If it is decided to continue the operation of the Plant for another year the results should be watched carefully. During this time the expenses should be markedly reduced, and the charges for printing to the Departments should be made, so far as possible, upon the exact basis of outside printers' charges for the same work (without allowance for the extra labor required by shorter hours at the Plant), then the actual deficiency which the Municipal Plant causes can be correctly understood and proper action can be taken.

With the Plant run as a business solely for the benefit of the City as a whole, there is no doubt in my mind that all expenses can be paid, the cost to Departments reduced, and a profit shown by the Plant sufficient to pay the interest upon its capital and accumulate a surplus or sinking fund, sufficient to ultimately reimburse the City for the capital expenditures in the Plant.

Such a result will require marked ability and independence in the management and due forbearance on the part of all others from interference with the business of the City's printing.

Respectfully submitted,

HARVEY S. CHASE,

Public Accountant and Auditor.

APPENDIX.

REPORT TO THE MAYOR

BY

HARVEY S. CHASE, SPECIAL EXAMINER.

(a.) Change of Administration.

On June 12, the present Superintendent, Mr. M. T. Monahan, took charge of the Department, and in order that correct inferences should be drawn, I have made a tabulation of the Receipts and Expenses of the Department for the seven months from July 1, 1900, to January 31, 1901, the results of which follow :

Receipts — Seven Months.

	Cr.
Total Printing for Departments	\$85,077 13
Total Documents printed	20,867 17
$\frac{7}{12}$ of Increase of Stock on hand (\$3,046.03)	1,776 81
Total Receipts	<u>\$107,721 11</u>

Expenditures.

	Dr.
Pay Roll	\$57,183 32
Stock	15,202 31
Binding, Ruling, etc.	14,775 17
Press Room Supplies	1,724 55
Engraving, etc.	2,187 67
Power, Heat, and Light	206 88
Repairs	697 73
Rent	2,450 00
Stationery	760 27
Miscellaneous	1,129 57
Outside Printing	515 28
Purchase of Postage, etc.	6,616 94
$\frac{7}{12}$ of Bad Debts charged off (\$480.20)	280 14
$\frac{7}{12}$ of Depreciation on Plant	2,894 29
$\frac{7}{12}$ of Depreciation on Construction	619 85
Carried forward	<u>\$107,243 97</u>

<i>Brought forward.</i>	\$107,243 97
Deduct $\frac{7}{12}$ of General Expense, etc. (\$6,500)	3,791 50
Net Expense of Operation	\$103,452 47
Surplus for seven months	4,268 64
	<u>\$107,721 11</u>

Appropriation Account. — Seven Months.

June Appropriation	\$21,500 00
Charge for Documents	\$20,867 17
Charge for General Expense, etc.,	3,791 50
Deficit to Balance	3,158 67
	<u>\$24,658 67</u>
	<u>\$24,658 67</u>
Surplus from Operation	\$4,268 64
Deficit from Appropriation	3,158 67
Net Surplus seven months	<u>\$1,109 97</u>

These figures make a favorable showing for the present management, inasmuch as the result of operation was a gain of \$4,268.64, while as the greater part of the Documents charged to Appropriations came in the seven months (\$20,867.17 out of a total of \$25,675.77), the deficit on Appropriations Account can be reasonably explained.

(b.) Comparisons by Percentages.

In order to get data for an impartial judgment upon the record of the Printing Department, I tabulated what percentage of the total expense each of the different kinds of expenditure showed, viz.:

Of the Net Receipts in four years of operation	<u>\$552,241 00</u>
The cost of Labor was about	58.7%
“ “ “ Stock	11.8%
“ “ “ Binding, Ruling, etc..	13.5%
“ “ “ Engraving and Outside Printing	3.3%
“ “ “ Rent and Insurance	3.4%
“ “ “ Depreciation	3.3%
<i>Carried forward</i>	<u>94.0%</u>

<i>Brought forward</i>	94.0%
The cost of Repairs, Supplies, etc.	3.1%
“ “ “ Office Expenses	1.3%
“ “ “ Miscellaneous	0.9%
	5.3%
Apparent Profits	0.7%

For comparison I give figures of the average cost, based on the results at one of the most successful printing concerns in Boston, which, when brought down to the basis of an output of \$150,000, on a capital of \$50,000, the relative proportions of different expenses would be about as follows:

Labor, about	50 % of output	\$75,000 00
Stock, about	20 % “	30,000 00
Ruling, Binding	11 % “	16,500 00
Rent and Insurance	3½ % “	5,250 00
Depreciation	3 % “	4,500 00
	87½ % “	\$131,250 00
Leaving for Incidentals, Expenses, Losses, and Profits	12½ % “	18,750 00
	100 % “	\$150,000 00

The comparison shows the labor cost at the Municipal Plant to be considerably higher.

The stock, ruling, binding, etc. (taken together), about the same.

Rent and depreciation about the same, while profits, after deducting repairs, office expenses, etc., are reduced in the Municipal Plant to about three-quarters of one per cent., which, of course, would be an entirely inadequate return for a private plant.

Moreover, it must be remembered that no charge for interest on the City's capital is included in the figures of expenses just given, nor is there allowance for sinking-fund (reserve or surplus account, as it would be called in a private plant), and when proper allowance is made for these items, then the “profits” of the Municipal operation disappear entirely.

(c.) *Value of Plant.*

The total cost of the Plant in the four years has

been (see details in Superintendent's report)	\$63,034 29
Total charges for Depreciation	18,379 34
Present value of Plant	\$44,654 95

which should be compared with the estimate made by the Superintendent for Mayor Hart's Annual Address to the City Council, January 7, 1901, of \$46,819.49, and with the figures given by the committee who reported to Mayor Quincy on June 15, 1899, viz.: \$43,009.11.

It appears that the present value, as given by the books (\$44,654.95), is conservative and sufficient.

(d.) "*Construction Account.*"

This account was opened by the Examiner, in order to distribute the expense of construction at the new Plant: shafting, belting, carpenter work, etc. (amounting to \$5,313.43), over a period of five years instead of charging it all off in one year, which would be manifestly unfair to that year.

By the method adopted, one-fifth (20%) will be charged off each year, and at the expiration of the present lease the total will have been wiped out.

MUNICIPAL PRINTING DEPARTMENT — RECEIPTS.

(e)

	1897-8.	1898-9.	1899-0.	1900-1.	TOTAL. (Four Years.)
From City Departments.....	\$95,764 47	\$120,929 59	\$106,229 10	\$125,214 40	\$448,137 56
Documents charged to Appropriation	16,905 63	22,405 14	22,286 00	25,675 77	87,272 54
Rent, Heat, and Power.....	4,122 42	4,149 75	3,788 26	36 50	12,096 93
Increase of Stock on Hand.....	5,473 00	.....	5,147 70	3,046 03	13,666 73
City Hall Office, Stationery Sold	834 54	.....	.....	.....	834 54
City Hall Office, Postage Sold.....	4,501 60	.....	.....	.....	4,501 60
Total Receipts from the Business.....	127,601 66	147,484 48	137,451 06	153,972 70	566,509 90
Appropriations	28,800 00	28,800 00	30,250 00	45,400 00	135,461 71
Transfers	2,211 71	.....	.....	.....	.....
Special Appropriations:					
For Plant.....	158,613 37	176,284 48	167,701 06	199,372 70	701,971 61
For Working Capital.....	40,000 00	.....	.....	.....	50,000 00
Grand Total	\$198,613 37	\$176,284 48	\$177,701 06	\$199,372 70	\$751,971 61
Total Receipts from Operation and Ordinary Appropriations (as above).....	\$158,613 37	\$176,284 48	\$167,701 06	\$199,372 70	\$701,971 61
Total Expenses of all kinds (next page).....	149,622 50	167,060 39	163,259 23	195,688 42	675,630 54
Excess or "Surplus" for Year	\$8,990 87	\$9,224 09	\$4,441 83	\$3,684 28	26,341 07
Add balance various accounts (See Examiner's Report).....					1,330 11
Total Surplus as stated in Report.....					\$27,671 18

MUNICIPAL PRINTING DEPARTMENT—EXPENDITURES.

(f)

PRINTING DEPARTMENT.

31

	1897-8.	1898-9.	1899-0.	1900-1.	TOTAL. (Four Years.)
Pay Rolls.....	\$69,779 23	\$78,024 87	\$81,077 90	\$94,105 66	\$322,987 66
Paper Stock, purchased.....	13,465 59	15,992 22	14,476 94	21,492 54	65,427 29
Binding, Ruling, etc.	16,149 40	19,683 26	16,046 55	22,547 03	74,426 24
Engraving, Electros, etc.	3,366 02	2,998 44	1,987 21	2,965 11	11,316 78
Outside Printing.....	3,570 75	251 85	449 02	546 78	4,818 40
Stationery	367 90	1,076 87	748 02	304 12	2,496 91
Insurance	864 37	738 00	369 00	.....	1,971 37
Rent	3,538 37	4,696 24	4,438 37	4,200 00	16,872 98
Rollers, Supplies, etc.	769 27	420 54	478 72	758 24	2,426 77
Ink.....	253 60	272 54	202 57	1,068 88	1,797 59
Lighting.....	442 98	596 72	622 98	457 94	2,120 62
Telephone	316 52	250 38	383 06	262 98	1,212 94
Fuel.....	1,270 53	1,337 97	1,003 68	.....	3,612 18
Oil	197 25	146 65	160 11	116 58	620 59
Water	138 50	220 30	129 60	137 47	625 87
Repairs, Ordinary	354 11	296 90	225 74	883 74	1,760 49
Repairs, Extraordinary.....	1,130 67	1,894 93	268 10	562 49	3,856 19
Electric Construction.....	249 48	.....	105 24	181 32	536 04
Time Clock.....	170 00	72 55	.....	16 45	259 00
Car Tickets	121 00	250 00	280 00	301 00	952 00
Teaming	87 70	87 99	67 64	331 39	574 72
Cleaning office, towels, etc.	130 44	171 90	167 94	234 82	705 10
Typewriter.....	149 75	.....	100 00	.....	249 75
Express	10 50	.....	.....	.....	10 50
Messengers	15 70	15 50	7 55	4 00	42 75
Miscellaneous	244 63	675 37	334 31	380 25	1,634 56
Moving and Storing Engine.....	.....	.....	.....	125 50	125 50
Appraising Plant, etc.	251 75	.....	.....	.....	251 75
Examiner .....	.....	.....	418 92	.....	418 92
Totals carried forward.....	\$117,406 01	\$130,171 99	\$124,549 17	\$151,984 29	\$524,111 46

(f, continued) MUNICIPAL PRINTING DEPARTMENT — EXPENDITURES (Continued).

	1897-8.	1898-9.	1899-0.	1900-1.	TOTAL. (Four Years.)
Totals brought forward.....	\$117,406 01	\$130,171 99	\$124,549 17	\$151,984 29	\$524,111 46
Rules and Orders.....	540 00	540 00	540 00	570 00	2,190 00
Municipal Register.....	332 40	.....	.....	.....	332 40
Moving Expenses.....	466 25	250 00	.....	272 79	989 04
Rebates.....	.....	64 35	199 25	.....	446 08
Bad Debts.....	.....	.....	.....	468 20	468 20
Postage Stamps and Envelopes Bought.....	10,000 00	7,500 00	9,500 00	10,297 15	} 38,219 03
Postage Bought at Stationers.....	.....	560 44	148 04	213 40	
Decrease of Stock on hand.....	.....	1,097 09	.....	.....	1,097 09
Total Expense including Superintendent.....	128,744 66	140,183 87	134,936 46	163,988 31	567,853 30
Deduct Superintendent, etc., charged to Appropriation,	6,500 00	6,500 00	6,500 00	6,500 00	26,000 00
Add Depreciation @ 10% on Plant.....	122,244 66	133,683 87	128,436 46	157,488 31	541,853 30
Add Depreciation @ 20% on Construction account.....	3,972 21	4,471 38	4,974 09	4,961 66	18,379 34
Total Expense of Operation.....	.....	.....	1,062 68	1,062 68	2,125 36
Add Amounts charged to Appropriation, viz.:	126,216 87	138,155 25	134,473 23	163,512 65	562,358 00
Documents.....	16,905 63	22,405 14	22,286 00	25,675 77	87,272 54
Superintendent, General Expense, etc.....	6,500 00	6,500 00	6,500 00	6,500 00	26,000 00
Total Expense (except Plant).....	149,622 50	167,060 39	163,259 23	195,688 42	675,630 54
SURPLUS AND DEFICIT.					
Surplus of Receipts over Expenses.....	1,384 79	9,329 23	2,977 83	.....	4,151 90
Deficit of Receipts over Expenses.....	.....	.....	.....	—9,539 95	.....
Surplus of Appropriation over Charges.....	7,606 08	.....	1,464 00	13,224 23	22,189 17
Deficit of Appropriation over Charges.....	.....	—105 14	.....	.....	.....
Totals.....	\$158,613 37	\$176,284 48	\$167,701 06	\$199,372 70	\$701,971 61

(g.) *Total Charge for Printing for Past Year to Each
of the City Departments.*

Assessing	\$12,180 87
Auditing	778 20
Building	2,349 03
Bath	484 28
Board of Aldermen Contingent Expense	4,040 15
City Clerk	525 73
Cemetery	517 53
City Messenger	1,558 74
Collecting	3,171 46
Clerk of Committees	363 95
City Record	1,475 74
City Council Incidental	120 69
Proceedings	4,146 81
Court of Registration	239 24
Common Council Contingent	492 55
Engineering	519 12
Election	18,669 64
Fire	1,485 58
Health	5,433 09
Hospital	4,584 38
Almshouse and Hospital, Long Island	348 14
Charlestown Hospital	6 51
Pauper Institutions Office	234 53
House of Reformation	71 55
Parental School	26 60
Placing Out and Office Expense	334 16
Insane Hospital	348 15
House of Correction, South Boston	89 51
Deer Island	145 06
Penal Institutions Office Expense	155 97
Institutions Registration	1,021 38
Library Department	700 40
Law	288 39
Lamp	161 45
Law, Incidentals	45 42
Mayor	623 16
Overseers of Poor	360 19
Police	5,100 47
Police Signal	455 70
Liquor License	512 56
House of Detention	170 47
Public Buildings	674 20
Repair	20 65
Electrical Construction	59 20
School-house Agent	286 87
Park	918 12
Public Parks	103 26

Carried forward \$76,398 85

<i>Brought forward</i>	\$76,398 85
Public Grounds	100 76
Registry	5,764 79
Street—Bridge	650 78
Ferry	1,300 52
Paving	4,830 60
Sanitary	1,437 17
Sewer	4,392 29
Cleaning	1,033 34
Watering	733 08
Central Office	330 98
Sewerage Works	548 26
Laying Out and Construction of Highways	291 38
Cambridge Bridges	121 10
Street Laying-out	418 55
Street Laying-out and Sewer Assessment	54 57
Stony Brook Improvement	39 59
Congress street, Grade Crossing	51 43
Dorchester avenue, Grade Crossing	12 00
Sinking-Fund	234 25
Soldiers' Relief	196 62
Sealing Weights and Measures	307 06
Statistics	3,974 27
Schools	5,848 72
Treasury	620 16
Water Commissioner	630 99
Income	2,762 93
Distribution	905 45
Wire	902 80
Wayfarers' Lodge	46 66
Suffolk Superior, Civil	7,226 38
Criminal	1,137 67
Treasurer	72 89
Superior Court	5 38
Probate	72 17
Jail	23 60
Medical Examiner	108 02
Registry Deeds	551 85
Municipal Court, Brighton	164 03
West Roxbury	105 04
South Boston	93 01
Charlestown	87 47
Public Celebrations	94 52
Music	223 53
Board of Appeal	4 60
Market	9 31
Franklin Fund	41 65
N. Mathews, jr.	91 33
Boston Gear Works damages	162 00

\$125,214 40



ANNUAL REPORT
OF THE
PUBLIC BUILDINGS DEPARTMENT
FOR THE YEAR 1900.

February 1, 1901.

HON. THOMAS N. HART.

Mayor of the City of Boston :

SIR, — In accordance with Section 24, Chapter 3, of the Revised Ordinances of 1898, I beg to submit the following as the annual report of the Public Buildings Department for the year ending January 31, 1901.

My appointment as Superintendent of Public Buildings having been confirmed, I took charge of the Department May 1, 1900.

This Department has the care and custody of the Ambulance Station, South Boston, of all buildings in use for City offices, market purposes, halls for public meetings, and the several County buildings; also, hired buildings or parts of the same for City offices, County courts, ward-rooms, and armories; also, contracts for and supplies fuel for all Departments of the City and County, not otherwise provided for; this includes the Police, Fire, Park, Health, Bath, Public Buildings, Library, Public Grounds, Cemetery, and Market Departments, the Street Department and Paving, Sanitary, Street Cleaning, Sewer, and Bridge Divisions of the same, and the Quarantine Station at Gallop's Island; also, the police and fire boats. Requisitions are made by each De-

partment as needed, the quantity and quality is weighed and inspected, and certified to by an employee of this Department.

Because of the fact that the several Departments of the City have in their charge complete electrical plants for generating power, light, etc., it was deemed advisable, after the abolition of the Electrical Construction Division, to retain in the employ of this Department, an electrical engineer who practically had the supervision of the installation of nearly all of this apparatus, including the plants on all of the ferry-boats, Insane Hospitals (Austin and Pierce Farms), City Hospital, all of the various institutions located on the islands in the harbor, the various drawbridges propelled by electricity, and the plant at the Pumping Station, Cow Pasture.

His duties are to furnish other Departments, free of expense, at their request, with plans and expert advice on all matters pertaining to this line of work, also the frequent testing of the candle-power of the incandescent lamps furnished the City, in order that the correct standard of the same may be maintained, and the City receive the full advantage of the light charged for. The saving made to the City in this particular item has been considerable during the past year.

A concise statement of the several Departments, who have taken advantage of the opportunities presented, will be found under separate heading.

The following buildings, or parts of the same, are hired for municipal purposes.

For Offices.

Estates numbered 32-62-64 Pemberton square; 994 Washington street; offices in Tremont Building; and building at Mattapan.

For Armories.

No. 37 Tremont street; Congress Hall, Charlestown; Bacon Hall, Roxbury; and No. 130 Columbus avenue.

For Ward-rooms.

Spellman Hall, Gray's Hall, South Boston; Winthrop Hall, Dudley street Opera House, Roxbury; Tomfohrde Hall, Minton Hall, West Roxbury.

For County Purposes.

Offices in Tremont Building for Court of Land Registration.

The Architect Division, formerly connected with the Engineering Department, was transferred to and made a



OLD STATE HOUSE, WASHINGTON AND STATE STREETS.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

Division of this Department on May 11, 1900, and a report of its doings will be found in the report.

In February, 1900, expert examinations of the condition and doings of both the Electrical Construction Division and Repair Division during their existence were made, and the report of the experts having proved unfavorable to the City's interests, both Divisions were instructed to complete all work in process of construction and to close up their business as soon as possible. All bills against both Divisions have been paid; there are bills outstanding in favor of the Repair Division, amounting to \$7,843.09, and in favor of the Electrical Construction Division, amounting to \$3,256.88. These will be settled shortly. In disposing of the stock of both Divisions the several Departments of the City were given the opportunity of selecting what they desired, and the balance was disposed of at the best prices obtainable.

The Ambulance Station is located on land leased of the Carney Hospital; the service began in May, 1900, and has proved to be a great benefit to this thickly congested district. The ambulance has been called to all sections of the City, and has handled the following cases:

Accident	93 cases
Heart diseases	12 "
Spinal diseases	8 "
Nervous diseases	18 "
Lung trouble	64 "
Typhoid fever	78 "
Rheumatism	20 "
Appendicitis	34 "
Surgical	21 "
Medical	46 "
Total	394 cases
Taken to Carney Hospital	333 cases
Taken to Children's Hospital	18 "
Taken to other hospitals or treated on street	43 "
Total	394 cases

In May, 1900, I caused to be made a careful examination of the condition of the different buildings, armories, ward-rooms, etc., and it was found that practically all were in need of painting and general repairs; the plumbing was old, and not in keeping with sanitary requirements. As these buildings are rented to tenants, or used by City Departments, I have made every effort to put the same in proper condition,

and I feel warranted in stating that in consideration of the amount expended, a good showing has been made, and during the coming year I expect to have all buildings in as good condition as they should be.

I find that during the past three or four years the appropriations for repairs, alterations, etc., of Police, Fire, and Street Department buildings have been made direct to the several Departments, they doing the repairs on the same, and I take this opportunity of recommending that in future this amount be included in the estimates of this Department and that this Department have charge of carrying on the work, as was done formerly.

The following will give a general idea of the work done in the different Municipal buildings during the past year:

City Hall.

Painting dome, all woodwork and iron shutters on outside; painting, whitening and tinting walls and ceilings of Aldermanic room, Assessing, Collecting, and Auditing Departments, and also all corridors; general fitting up and carpenter work in Mayor's office; installing new gas and electric fixtures in Aldermen's room; general overhauling of elevators, repairs on plumbing, and placing new vent stacks; putting on new asphalt roof entire.

Old Court House.

General repairs on plumbing, elevators, heating apparatus, roofing, locks, etc.; also painting and carpenter work.

30-32 Tremont Street.

New asphalt roof, general repairs on plumbing, etc.

28 Court Square.

New copper roof, and general repairs on plumbing, masonry, gas and electric fixtures, etc.

Faneuil Hall and Market.

Put in new floors and general carpenter work on first floor and in basement; new granolithic sidewalk laid in front of building, and relaying brick sidewalk; putting in new drains, and general repairs on heating, ventilating, plumbing, etc.

Quincy Market.

Placing new iron beams under dome, repairing slate roof and copper work on dome; putting in new floor, second story, also in stalls and in basement; new outside fly doors; new vestibules on outside of building; painting all woodwork on outside of building; new plastering and repairing old plastering; general whitening; general repairs on plumbing, etc.



AMBULANCE STATION, NATIONAL STREET, SOUTH BOSTON. — Opened May, 1900.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

Old State House.

Reconstruction of tower; general repairs on plumbing, heating, gas and electric fixtures, ventilation, roofing, etc.; new stairways, placing safety treads, etc.; repointing of walls, foundations, etc.; painting building entire, inside and out; removed wooden "Lion and Unicorn" from front of building, and replaced the same in copper.

Old Franklin School-house.

Installing new steam heating plant; building new chimney; recut stone work and repointed same; painting of hall, corridors, etc.; repaired walks, yard, etc.

Westerly Hall.

Installing new steam heating plant; painting entire building, inside and out; reclapboarding; new sills put in; rear of building restudded; partitions removed; veranda, windows, and doors repaired; building new line fences; new outside doors put in; new gas fixtures installed; general repairs on roof.

Smith School-house.

Excavating cellar, new concrete floor laid, stone and brick walls pointed; new outside grading; curbing reset and sidewalk relaid; old vaults in yard removed; slate and gravel roof repaired; yard repaved; yard wall rebuilt; building of new stairs, doors and door frames; new fly doors put in; new floors; and general repairs.

Charlestown City Hall.

New lattice work around base of roof; new cornice moulding around building; new galvanized iron ribbing; new window frames; jacking up and rebuilding bell tower; replacing woodwork on roof; repairing tin and copper work, conductors and gutters; painting entire building, inside and out.

Battery Building, No. 11 Wareham Street.

Excavating and driving piles; laying new concrete foundations; building new brick piers and archways for new iron girders to carry electrical testing apparatus; cutting down brick walls to enlarge windows through main building; repointing all outside brickwork; rebuilding chimney; putting in new water-closets on first and second floors, also new urinals on first floor; running new lines of soil pipe through basement and connecting with sewer; placing five new vent stacks, and general repairs on old plumbing; installing and connecting up new McEwen twenty-five horse-power engine for heating, lighting, and testing lamps; new doorway in front of building, also new windows; new wire lath and

plaster partitions, repairing old plastering; new wire screen guards on all windows; repairing slate roof, gutters, conductors and skylight; painting entire interior of building, also all doors, window sashes, etc.

Curtis Hall.

General repairs on plumbing, heating, etc.; renewing all curtains.

62-64 Pemberton Square.

General repairs on plumbing, heating, etc.

94 Roxbury Street.

Laying concrete cellar; repairing plumbing; putting in new vent stack; also painting outside of building.

Wayfarers' Lodge.

Excavating and mason work; putting in new 8-inch cast-iron drains and traps; general repairs on plumbing.

Repair Shop Annex.

General repairs on roof.

City Building, Dorchester.

Laying new floors and iron treads on stairs; pointing walls, etc.

Ward-room, Ward 7.

General repairs on plumbing, etc.; repairing roof; painting ward-room, etc.

Ward-room, Ward 2.

Extending steam heating connection to ward-room; new stairs built; new tin roof over stairway; outside of building painted; painting, whitening, tinting, and papering inside; gas fixtures relacquered; general repairs.

Ward-room, Ward 17.

Excavating in cellar, old foundation underpinned; new piers built to carry main floor; curbing and stone steps reset; mason work on cesspool; new platform built; ward-room painted; repairs on roof, plumbing, and heating.

Ward-room, Ward 18.

Building new wooden line fence; new door and platform in rear; general repairs in ward-room.

Ward-room, Ward 19.

Repairs on roof.

Ward-room, Ward 20.

General repairs on plumbing, etc.

Armory, L Co., 6th Regiment.

Installed new gas and electric fixtures; general repairs on woodwork, plumbing, etc., painting, whitening, and tinting entire interior.

A general financial statement of the Public Buildings Department for the past year is as follows:

Appropriation	\$216,000 00
Income from Repair Division	28,046 62
Income from Electrical Construction Division	9,261 21
Income from Telephone Exchange	5,822 32
Income from General Expenses	397 83
Transfer	10,226.91
	\$269,754 89

Repair Division:

Balance on hand Feb. 1, 1900	\$7,300 11
Income	40,764 89
Total credits	\$48,065 00
Total expenditures	20,018 38
	\$28,046 62

Electrical Construction Division.

Balance on hand Feb. 1, 1900	\$2,870 99
Income	44,724 03
Total credits	\$47,595 02
Total expenditures	38,333 81
	\$9,261 21

The expenditures for repairs, alterations, improvements, heating, furnishing, care, and cleaning is as follows:

Public Buildings, General Expenses.

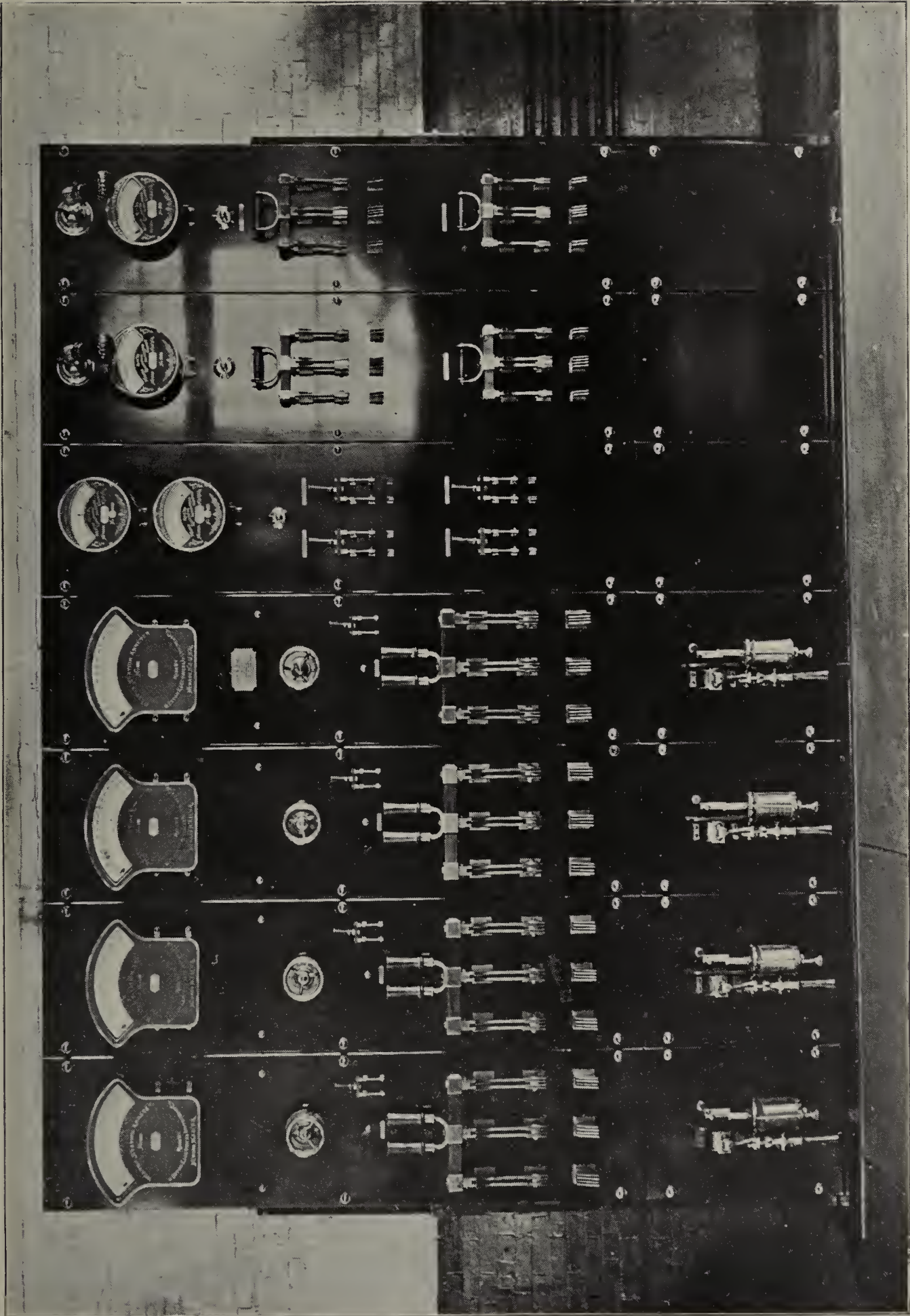
Public Buildings	\$227,534 98
Ward-rooms	12,795 85
Armories	18,846 03
Architect Division	4,540 46
Repair Division	20,018 38
Electrical Construction Division	43,303 38
County Buildings	42,585 92
Public Buildings, Ambulance Station	3,856 07
Public Buildings, Special Appropriations	29,672 23
Total expenditures by Department	\$403,153 30

A statement of the salaries, taxes, rents, etc., paid and kind and amount of work performed is as follows :

Public Buildings.

Salaries	\$14,875 43
Janitors, cleaning, and electricians	33,695 57
Printing, stationery, and postage	1,279 46
Advertising	271 79
Telephone	133 09
Water-rates	768 00
Ice	777 28
Teaming	275 67
Fuel	6,049 69
Gas	1,437 20
Electric lighting	16,173 64
Horse hire, etc.	2,489 10
Iron and wire work	2,077 38
Mason work	16,329 75
Carpenters and stock	29,440 82
Plumbing	7,220 84
Gas and electric fixtures	3,160 70
Plastering and whitening	795 48
Roofing and gutters	7,821 39
Painting and glazing	25,201 03
Rents and taxes	19,437 77
Furniture, etc.	6,702 96
Heating and ventilation	6,739 95
Bells and locks	443 49
Supplies	3,135 81
Messenger service	110 06
Car-fares	482 85
Historical building	6,000 00
Auxiliary Fire Alarm Co.	421 04
Disinfectant	534 37
Pounds and scales	34 30
Elevators, City Hall and Old Court House	1,084 59
Awnings	191 93
Flag and repairs	41 16
Reviewing stand	1,851 39
Chimney sweep	90 50
Granolithic work	3,352 85
Typewriter supplies	9 80
Blue prints	9 73
Sewer work	44 48
Storage and sundries	53 85

Amount carried forward \$221,046 19



ELECTRICAL SWITCH-BOARD INSTALLED AT DEER ISLAND.

LIBRARY
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PUBLIC BUILDINGS DEPARTMENT.

9

<i>Amount brought forward</i>	\$221,046 19	
Telephone exchange	6,273 44	
Paper hanging	129 52	
Electrical supplies	85 83	
		\$227,534 98
<i>Armories.</i>		
Rents	\$9,185 01	
Janitors	100 00	
Fuel	1,129 20	
Water	92 40	
Gas	1,113 21	
Electric lighting	325 13	
Telephone	24 59	
Carpenter and stock	604 01	
Painting	889 41	
Rifle practice	4,062 65	
Plumbing	275 60	
Gas and electric fixtures	761 40	
Plastering	14 90	
Heating apparatus	84 50	
Furniture	184 02	
		18,846 03
<i>Ward-rooms.</i>		
Fuel	\$138 92	
Gas	162 47	
Heating apparatus	129 41	
Janitors	883 10	
Rents	3,966 67	
Electric lighting	447 35	
Carpenters and stock	1,349 42	
Roofing	908 80	
Locks	7 10	
Teaming	2 75	
Furniture	7 25	
Gas and electric fixtures	91 43	
Ironwork	4 90	
Painting	925 92	
Plumbing	599 66	
Mason work	3,155 87	
Supplies	5 83	
Awnings	9 00	
		12,795 85
<i>Architect Division.</i>		
Salaries	\$4,465 76	
Supplies and stationery	69 49	
Blue prints, etc.	1 21	
Horse-keeping	4 00	
		4,540 46
<i>Amount carried forward</i>		\$263,717 32

Amount brought forward \$263,717 32

Repair Division.

Salary, Chief of Division	\$1,312 49	
Salaries, employees	8,613 79	
Janitors and care	139 00	
Rents	266 68	
Plumbing	892 43	
Lumber	2,708 39	
Hardware	499 36	
Iron and wire work	112 84	
Teaming	119 15	
Paints	472 13	
Heating apparatus	1,610 99	
Horse board, etc.	655 55	
Carriage repairs, etc.	14 75	
Mason stock	426 98	
Locks and bells	2 00	
Stationery, printing, etc.	94 38	
Car-fares	215 00	
Fuel	394 49	
Gas-fitting	275 90	
Derricks, etc.	3 50	
Plastering	41 50	
Window glass	60 43	
Lead	40 08	
Fire hose	63 75	
Engine supplies	3 25	
Electric lighting	250 18	
Roofing	72 49	
Tin	23 72	
Furniture	27 39	
Window, doors, and sashes	124 58	
Locomobile repairs	34 31	
Motor repairs	5 46	
Copper work	51 91	
Telephone	36 59	
Carpenters	1 24	
Advertising	76 20	
Expert accountant	255 00	
Supplies	15 50	
Tools	5 00	
		20,018 38

Electrical Construction Division.

Salaries	\$8,383 28	
Telephone exchange	7,311 10	
Horse-keeping, etc.	347 02	
Cables and wire	4,852 32	

Amounts carried forward \$20,893 72 \$283,735 70

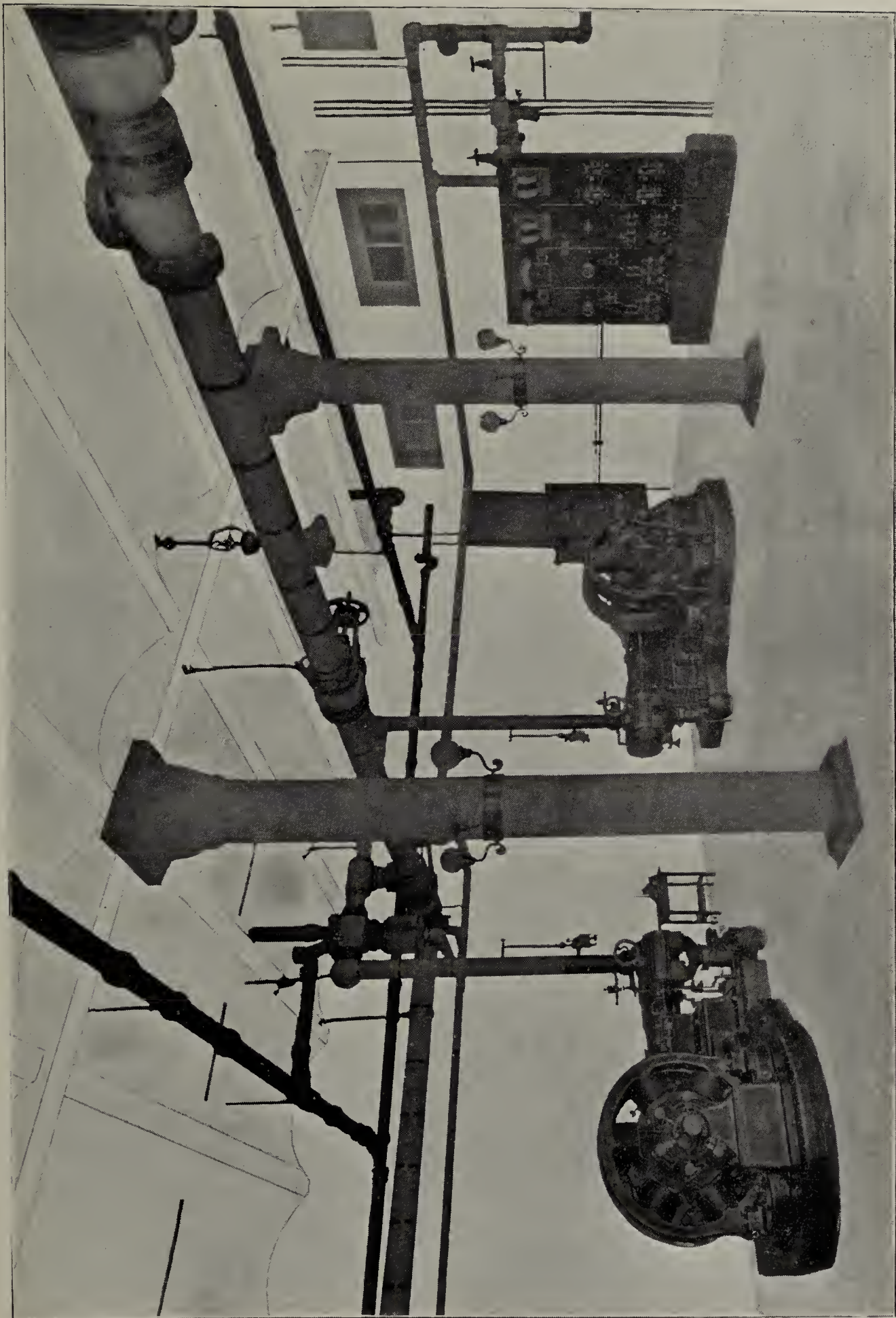
<i>Amounts brought forward .</i>	\$20,893 72	\$283,735 70
Engines and motors	11,044 49	
Incandescent lamps	321 53	
Car-fares, travelling expenses,	355 00	
Telephone (office)	7 81	
Teaming	163 25	
Electric lighting and power .	204 05	
Gas	1 89	
Supplies, small	2,596 70	
Telephone fixtures	88 75	
Carpenter work and hardware,	549 00	
Gas and electric fixtures . .	1,952 25	
Iron and wire work	45 99	
Masonry and tools	5 50	
Printing and stationery. . .	134 53	
Care and cleaning	845 78	
Mason work	1,091 66	
Gas-fitting	102 79	
Mouldings	2 39	
Fire-alarm boxes	375 00	
Watchmen	231 69	
Paints	12 03	
Batteries	1 50	
Switchboard, etc.. . . .	1,354 50	
Heating	781 58	
Accountant	25 00	
Reels for wire	115 00	
		43,303 38

County Buildings.

Janitors, salaries	\$4,150 34
Water-rates	405 80
Ice	340 54
Cartage	14 25
Fuel	7,347 63
Gas	627 46
Electric lighting	5,698 89
Iron and wire work	470 58
Mason work	8,130 90
Carpenter and stock	1,865 88
Plumbing	919 13
Gas and electric fixtures .	406 89
Painting	1,452 07
Roofing	358 74
Furniture	2,971 74
Heating apparatus	550 96
Locks and bells	59 02
Supplies	1,392 88
Lawn, care of	840 68

<i>Amounts carried forward .</i>	\$38,004 38	\$327,039 08
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<i>Amounts brought forward .</i>	\$38,004 38	\$327,039 08
Rents	2,900 00	
Disinfectant	265 95	
Stationery	8 00	
Care	526 93	
Awnings and flags	31 72	
Teaming	17 00	
Telephone	46 95	
Elevators	5 00	
Marble work	23 68	
Engine supplies	7 35	
Grading walks, etc.	575 00	
Plans, architect	173 96	
		42,585 92
<i>Ambulance Station Maintenance.</i>		
Salaries, janitors, drivers, cleaning	\$2,619 01	
Horse-keeping, etc.	426 50	
Fuel	76 78	
Supplies	139 46	
Teaming	42 50	
Telephone	64 22	
Carpenter and stock	10 00	
Stationery	15 72	
Laundry work	70 96	
Gas	40 00	
Painting	2 75	
Heating and ventilation	61 10	
Ambulance repairs	2 50	
Electric fixtures	3 95	
Rent of land	250 00	
Plumbing	24 62	
Furniture	6 00	
		3,856 07
SPECIAL APPROPRIATIONS.		
<i>Ambulance Station.</i>		
Plans, contract for erection of build- ing, supplies, equipment	\$7,913 11	
		\$7,913 11
<i>Ward-room, Ward 2.</i>		
Carpenter and stock	\$811 07	
Mason work	10 00	
Roofing	231 71	
Steam heating, etc.	447 22	
		1,500 00
<i>Amounts carried forward .</i>	\$9,413 11	\$373,481 07



DYNAMO ROOM AT LONG ISLAND.

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<i>Amounts brought forward.</i>	\$9,413 11	\$373,481 07
<i>Ward-room, Gymnasium, Ward 8.</i>		
Lydia W. Burr,		
land, taxes . \$20,208 12		
Advertising . 51 00		
	<u>20,259 12</u>	
		<u>29,672 23</u>
Total		<u>\$403,153 30</u>

A detail of expenditures of ward-rooms is as follows:

Ward-room	2	.	.	.	.	.	.	\$1,104 20
"	"	3	.	.	.	.	.	205 64
"	"	4	.	.	.	.	.	4 00
"	"	5	.	.	.	.	.	3 00
"	"	6	.	.	.	.	.	161 26
"	"	7	.	.	.	.	.	507 19
"	"	8	.	.	.	.	.	21 70
"	"	9	.	.	.	.	.	352 95
"	"	10	.	.	.	.	.	70
"	"	13	.	.	.	.	.	1,005 06
"	"	14	.	.	.	.	.	641 90
"	"	15	.	.	.	.	.	92 10
"	"	16	.	.	.	.	.	400 00
"	"	17	.	.	.	.	.	4,223 75
"	"	18	.	.	.	.	.	564 06
"	"	19	.	.	.	.	.	787 09
"	"	20	.	.	.	.	.	549 08
"	"	21	.	.	.	.	.	600 00
"	"	22	.	.	.	.	.	363 07
"	"	23	.	.	.	.	.	500 00
"	"	24	.	.	.	.	.	696 15
"	"	25	.	.	.	.	.	12 95
Total								<u>\$12,795 85</u>

The income of Repair Division was as follows:

Income.

Pauper Institutions Department . . .	\$5,656 26
Penal Institutions Department . . .	226 65
Children's Institutions Department . . .	736 13
Institutions Registration Department . . .	47 61
Street Department:	
Central Office	82 18
Paving Division	720 60
Sanitary Division	165 00
<i>Amount carried forward</i>	<u>\$7,634 43</u>

<i>Amount brought forward</i>	\$7,634 43
Street Cleaning Division	164 33
Sewer Division	2,415 82
Bridge Division	477 03
Ferry Division	1,824 20
Printing Department	2,024 04
Street Commissioners	89 98
Assessing Department	22 36
Department of Municipal Statistics	1 82
Electrical Construction Division	3,225 52
Public Buildings Department	2,785 14
Insane Trustees	2,531 65
Bath Department	2,130 36
Lamp Department	13 86
Water Department	1,615 02
Park Department	247 98
Public Grounds Department	52 63
Wire Department	6 66
Library Department	6 80
Health Department	55 62
Hospital Department	4,635 12
Engineering Department	1,470 36
County Buildings	616 54
Mayor's Office	42 37
Fire Department	2,550 97
City Messenger Department	205 59
Election Department	30 38
Building Department	1,084 81
Ancient and Honorable Artillery Company	148 61
Cash sales	4,910 41
Total	\$43,020 41
Less amount transferred to Electrical Construction Division	2,255 52
Total	\$40,764 89

The income of the Electrical Construction Division was as follows :

Income.

Penal Institutions Department	\$3,177 34
Pauper Institutions Department	5,437 31
Children's Institutions Department	1,327 24
Steamer "J. Putnam Bradlee"	28 75
Institutions Registration Department	39 69
<i>Amount carried forward</i>	\$10,010 33

<i>Amount brought forward</i>	\$10,010 33
Street Department :	
Central Office	650 40
Ferry Division	3,637 72
Paving Division	444 75
Sewer Division	324 76
Sanitary Division	273 12
Bridge Division	109 96
Street Cleaning Division	137 45
Sewer Assessment Division	90 00
Street Watering Division	35 00
Assessing Department	6 65
Board of Aldermen	60 00
Common Council	87 00
City Messenger's Department	73 39
City Clerk Department	51 65
Architect Division	60 00
Treasury Department	66 76
Collecting Department	209 73
Clerk of Committees	111 62
Hospital Department	2,057 28
Insane Hospital Department	11,170 50
Health Department	2,626 65
Soldiers' Relief	30 00
Associated Charities	18 11
Overseers of the Poor	82 53
Wayfarers' Lodge	28 00
County Jail	90 00
Registry of Deeds	180 00
Market Department	45 06
Water Department	440 73
Election Department	81 68
Printing Department	689 14
Public Grounds Department	56 00
Public Buildings Department	442 75
Library Department	506 53
Fire Department	2,272 03
Engineering Department	414 06
Cemetery Department	617 98
Law Department	160 56
Park Department	139 02
Mayor's Office	88 93
Building Department	280 46
Bath Department	373 87
Repair Division	194 52
Repair Division, Transfer	2,255 52
Auditing Department	29 00
Auditing Department (Civil Service Division), ...	29 00
<i>Amount carried forward</i>	\$41,840 20

<i>Amount brought forward.</i>							\$41,840 20
Wire Department	.	.	.	.	.	.	65 30
Music Department	.	.	.	.	.	.	30 75
Street Commissioners' Department	.	.	.	.	.	.	104 17
Transit Commission	.	.	.	.	.	.	35 00
Lamp Department	.	.	.	.	.	.	61 00
Sealer of Weights and Measures Department	.	.	.	.	.	.	30 00
Department of Municipal Statistics	.	.	.	.	.	.	30 00
School Committee	.	.	.	.	.	.	33 00
Cash Sales	.	.	.	.	.	.	2,494 61
Total	.	.	.	.	.	.	<u>\$44,724 03</u>

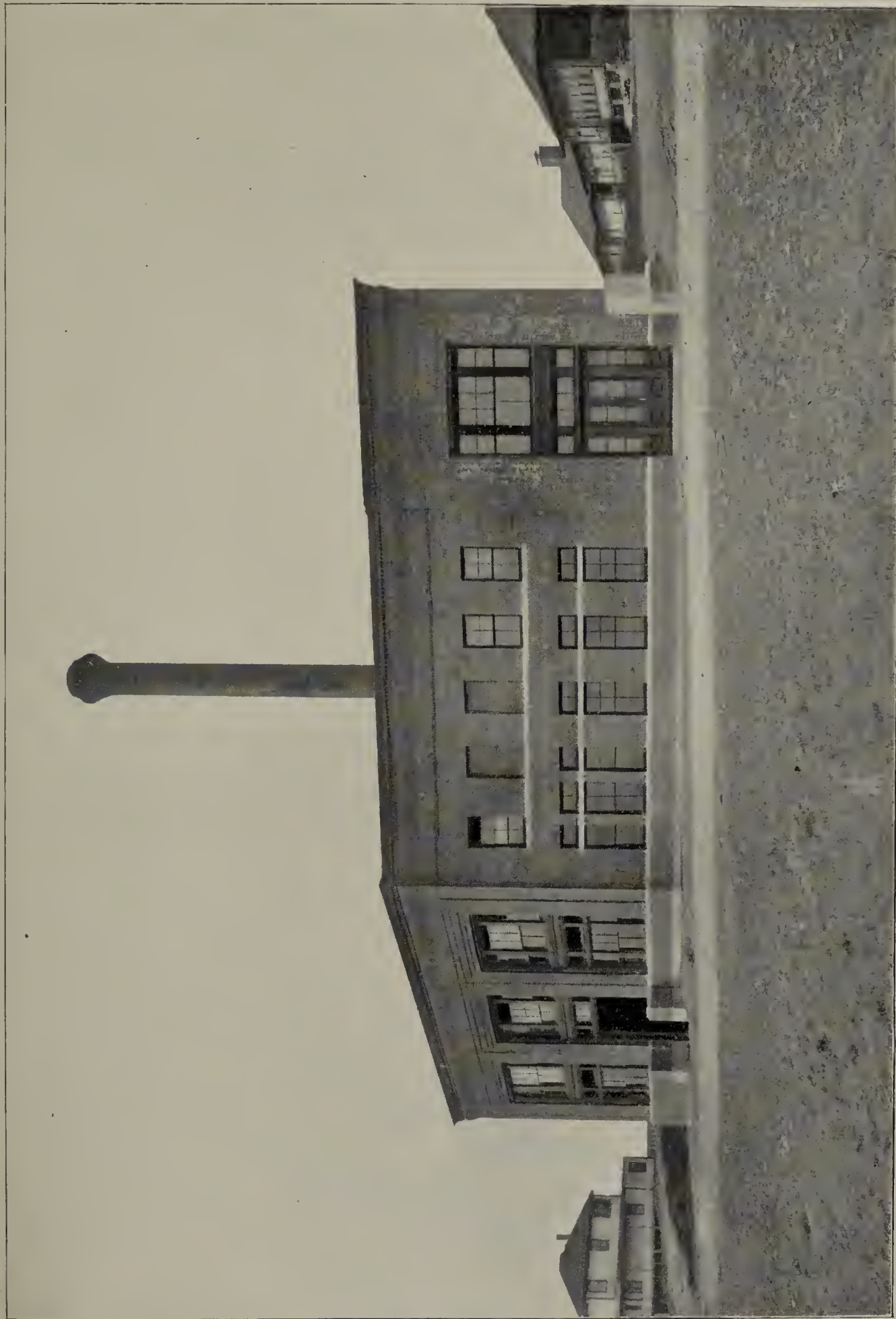
The following is a detailed statement of expenditures on County buildings, etc., by buildings:

Court-house	.	.	.	.	.	.	\$19,358 46
Municipal Court, Roxbury	.	.	.	.	.	.	3,735 78
“ “ Dorchester	.	.	.	.	.	.	1,285 74
“ “ Charlestown	.	.	.	.	.	.	1,823 93
“ “ East Boston	.	.	.	.	.	.	1,273 65
“ “ South Boston	.	.	.	.	.	.	2,470 17
“ “ Jamaica Plain	.	.	.	.	.	.	692 59
“ “ Brighton	.	.	.	.	.	.	872 10
County Jail	.	.	.	.	.	.	8,104 71
Court of Registration	.	.	.	.	.	.	2,968 79
Total	.	.	.	.	.	.	<u>\$42,585 92</u>

The following is a statement of the fuel that has been supplied on requisitions of the several Departments:

<i>Coal.</i>							Tons.
Furnace	.	.	.	.	.	.	10,508
Egg	.	.	.	.	.	.	3,181
Stove	.	.	.	.	.	.	1,542
Cumberland	.	.	.	.	.	.	3,677
Cannel	.	.	.	.	.	.	260
Nut	.	.	.	.	.	.	36
Franklin	.	.	.	.	.	.	3
Coke	.	.	.	.	.	.	25
Total	.	.	.	.	.	.	<u>19,232</u>
<i>Wood.</i>							Cords.
Nova Scotia	.	.	.	.	.	.	68
Pine	.	.	.	.	.	.	115
Total	.	.	.	.	.	.	<u>183</u>

The total cost of the above was \$105,764.17.



POWER-HOUSE ERECTED AT LONG ISLAND.

LIBRARY
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UNIVERSITY OF ILLINOIS

The following is a statement showing buildings from which rent has been received during the past year, also income from other sources, together with the amounts, all of which are in charge of this Department:

Faneuil Hall Market, cellars and outside stalls,	}	\$84,999 00
Faneuil Hall Building, stalls and cellar under		
Faneuil Hall		
Old State House		11,100 00
House, No. 94 Roxbury street		275 00
Stable, Charlestown District		100 00
Curtis Hall		526 00
Ward-rooms		296 00
Rotunda and offices, Quincy Hall		2,800 00
Produce Exchange		1,800 00
Rooms in Quincy Hall		434 00
Old Franklin School-house		125 00
Electrical Construction Division		42,055 99
Repair Division		40,427 44
Armories, rent from Commonwealth		10,400 00
Repair-shop, annex		300 00
Sale of material, miscellaneous		183 74
Income, general expenses		9,060 64
Total		<u>\$204,882 81</u>

The following statement will give a general idea of the electrical work installed and superintended by this Department:

Public Buildings Department.

Plans and supervision of wiring for 200 lights and generator at No. 11 Wareham street, Wire Department Headquarters.
 Wiring for 125 lights at Armory of L Company, 6th Regiment.
 Wiring of office of Registrar of Births, Deaths and Marriages, Old Court House, 50 lights.
 Refitting of Aldermanic Chamber, City Hall, fixtures.
 Schedule and disposition of stock and tools of Electrical Construction Division.
 General care and maintenance of 2,000 lights, 160 bells and 65 telephones in City Hall, Old Court House, Probate and Historical Society Buildings, checking of all electric meters and accounts.

Pauper Institutions Department.

Plans and specifications for extension of motor service and repairs; completion of plant begun by Electrical Construction Division.

Penal Institutions Department.

Plans and specifications for new switchboard at Deer Island.

Children's Institutions Department.

Plans and specifications for wiring "Point Cottage Dormitory," 100 lights, and for wiring new stable, 10 lights, and for 1,400 feet of pole-line construction; completion of work begun by Electrical Construction Division.

*Insane Hospital Department.**Austin Farm.*

Completion of plant begun by Electrical Construction Division; installation of electrical apparatus for cutting ensilage; installation of electric laundry and generator; installation of electric cooking apparatus; installation of lights in barn and other buildings; removal of grounds on wiring.

Pierce Farm.

Completion of plant begun by the Electrical Construction Division; installation of lights in Superintendent's Cottage and other buildings.

Cemetery Department.

Supervision of installation of 2,700 feet of underground conductors and wiring for fifty lights, — current furnished by Pierce Farm plant.

School Department.

West Roxbury High School: Plans and specifications for fixtures, 800 lights; also motor and generator for laboratory.

Dorchester Grammar School: Plans and specifications for installation of 600 lights; also bell and telephone systems.

East Boston High School: Consultation regarding motors and generators for laboratories.

Polk Street School: Inspection of electric blower outfit.

Frothingham School: Inspection of electric blower outfit.

South Boston High School: Plans and specifications for special apparatus for laboratory work.

Dorchester High School: Consultation regarding plans and specifications for electrical installation of 1,000 lights and motor, bells and telephones.

The total number of employees in the Department number seventy-six, as follows :

Public Buildings Department.

- 1 Superintendent.
- 1 Deputy Superintendent.
- 1 Secretary.
- 1 Clerk.
- 1 Fuel clerk.
- 2 Inspectors.
- 2 Engineers.
- 1 Assistant Engineer.
- 3 Firemen.
- 1 Superintendent of Janitors.
- 31 Janitors.
- 2 Watchmen.
- 2 Custodians.
- 1 Storekeeper.
- 1 Weigher.
- 1 Boy.
- 2 Elevator men.
- 2 Carpenters.
- 2 Electricians.

Architect Division.

- 1 Chief of Division.
- 1 Clerk.
- 4 Draughtsmen.
- 1 Messenger.

County Buildings.

- 7 Custodians, one at each District Court House.

Ambulance Station.

- 1 Janitor.
- 3 Drivers and hostlers.

Respectfully submitted,

MILTON C. PAIGE,
Superintendent.

PUBLIC BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
City Hall.....	School st.	25,915	
City Hall.....	City sq., Charles- town	8,246	Police Station No. 15 in this building; also branch of the Public Library, and Munic- ipal Court and Evening Drawing School. Police wagon stable on this lot.
Faneuil Hall and market under same	Faneuil Hall sq...	8,460	
Faneuil Hall Market house and hall over same	North and South Market sts.	27,400	
Old State House	State st.	4,239	
Curtis Hall.....	South st., W. R...	49,907	Branch of Public Library in this building.
Repair Division Work- shop.....	Wareham st.....	8,500	
Repair-shop annex	Harrison ave....	3,816	
Old Armory building.....	Maverick st.	4,337	Ward-room 2 in this build- ing; upper part leased to Post 159, G.A.R.
House and land.....	94 Roxbury st. ...	4,190	Rents for \$300 per annum.
Central Charity Bureau, } City Temporary Home.. }	Chardon st.	19,962	Boiler and storehouse on lot.
Town Hall	Washington st., Dorchester.....	16,800	Used for drill hall, Dorches- ter High School.
Town Hall	Washington st. ...	13,431	Ward-room 25 in this build- ing; other room leased to Post 92, G.A.R.
Old bath-house.....	Cabot st.	7,469	Ward-room 18 in this build- ing.
Wayfarers' Lodge	Hawkins st.....	9,523	
Church Building.....	Cor. Dudley and Vine sts.....	11,592	Ward-room 17 in this build- ing, and Vine-st. chapel on this lot.
Old Franklin Sch'l-house,	Washington st. ...	11,471	Ward-room, Posts 15 and 7, G.A.R., in this building.
¹ Old Winthrop School- house.....	Bunker Hill st., Charlestown ...	7,927	Armory and Ward-room 3 in this building.
¹ Old Court House	Court sq.....	15,175	Occupied by city offices.
Westerly Hall.....	Centre st., West Roxbury	5,644	Public Library Branch in this building.
Stable	Chauncey pl. ....	.....	Rents for \$150 per year, on lot with Chauncey-pl. school.

¹ The above buildings were surrendered to this Department as not wanted for school, fire, or County purposes.

PUBLIC BUILDINGS. — *Concluded.*

Buildings.	Location.	No. of ft. in lot.	Remarks.
¹ Smith School-house.....	Joy st.....	1,938	Leased to Post 134, G.A.R.
¹ Engine-house lot.....	Soley st.....	2,230	
¹ Old Probate Court building	Court sq.....	2,423	Occupied by City offices.
Historical building	30 and 32 Tremont st.....	25,000	Mortgage for \$150,000.
Ward-room 20.....	Meeting House Hill		On lot with Mather School house.
Ward-room 19.....	Elmwood st.	5,684	

¹The above buildings were surrendered to this Department as not wanted for school, fire, or County purposes.

COUNTY BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
Court House	Pemberton sq. ...	87,035	Three buildings.
Jail.....	Charles st.....	130,740	
Municipal Court, Southern District	Roxbury st.....	14,390	Evening Drawing School in this building.
Municipal Court, E. Boston,	High School building.		
“ “ S. Boston,	Corner Dorches- ter and West Fourth sts.		
“ “ Charlest’n,	City sq.		
“ “ Brighton..	Washington st.		
“ “ W. Roxb’y,	Station-house 13.		
“ “ Dorchest’r,	“ 11.		
Court of Registration.....	73 Tremont st.....		Rent, \$2,900.04 per annum.

In addition to the foregoing, the following property was leased for the use of this Department:

Location of Buildings.	Rent.	No. of Rooms.	Occupied by
37 Pemberton sq.....	\$6,000 per year and taxes. Police Dept. pay one-fourth of rent.....	Whole building,	Police Commissioners and Police Dept.
994 Washington st.....	\$1,100 per year...	5	Milk Inspector.
Mattapan.....	\$198 per year.....	3	Lock-up, Police Dept.
73 Tremont st.....	\$4,413 96 per year.	13	Law Department, Nos. 730 to 742 inclusive.
73 Tremont st.....	\$4,653 96 per year.	11	Street Watering Division, Rooms 440 and 441. Sanitary Division, Rooms 917 to 920 inclusive. Street Cleaning Division, Rooms 921 to 923 inclusive. Bridge Division, Rooms 927 and 928.
73 Tremont st.....	\$1,346 04 per year.	3	Sewer Assessment Division of the Street Commissioners' Dept., Nos. 414 to 416 inclusive.
62 and 64 Pemberton sq.....	\$2,900 00 per year and taxes.....	Whole building,	Bath, Music, Street Dept. (Smoke Division), Art and Park Departments.

ARMORIES.

The following list will show the location and rents of all armories February 1, 1901, in charge of this Department:

Occupied by	Rent per annum.	Location of Armories.
Headquarters, Second Brigade.....	\$900	37 Tremont street.
Company A, Fifth Regiment.....	\$1,200	Congress Hall, Charlestown. Lease expires January 1, 1901.
“ H, “ “	City building...	Combination Wagon-house, No. 7, Winthrop st., Charlestown.
“ L, Sixth “	\$1,085	7 Green street. Lease expires May 1, 1901.
“ D, Ninth “	City building...	Old Winthrop school-house, Bunker Hill street.
“ A, First Batt. of Cavalry	City building...	Engine-house, No. 4, Bulfinch street.
“ D, “ “ “	\$1,200	Bacon's Hall.
“ A, “ Corps of Cadets..	\$4,800	130 Columbus avenue.
“ B, “ “ “ ..		
“ C, “ “ “ ..		
“ D, “ “ “ “ ..		

WARD-ROOMS.

The following list will show the location of the various ward-rooms in this City, and whether in City buildings or in hired buildings, and rent paid for same :

Ward	City or Rent.	Name of Building.	Location.
1....	City building.	Emerson school-house.....	Saratoga st.
2....	" "	Armory building	Maverick st.
3....	" "	Old Winthrop school-house.....	Bunker Hill st., Charles- town.
4....	" "	Bunker Hill Grammar school-house,	Baldwin st., Charlestown.
5....	" "	Harvard Grammar school-house....	Devens st., Charlestown.
6....	" "	Ware Primary school-house.....	North Bennet st.
7....	" "	Pierpont school-house.....	Hudson st.
8....	" "	Wells school-house	Blossom st.
9....	" "	Old Franklin school-house	Washington st.
10....	" "	Rice school-house.....	Appleton st.
11....	" "	Prince school-house	Exeter st.
12	" "	School-house!.....	West Concord st.
13....	\$811.67 per yr.	Spellman Hall.....	West Broadway.
14....	\$400 per year.	Gray's Hall	East Broadway.
15....	City building.	Court-room, South Boston.....	Dorchester and West Fourth sts.
16....	\$350 per year..	Winthrop Hall.....	Upham's Corner.
17....	City building.	Old Church building.....	Dudley st.
18....	" "	Old bath-house.....	Cabot st.
19....	" "	Old pumping-station.....	Elmwood st.
20....	" "	Ward-room building.....	Meeting House Hill.
21....	\$600 per year.	Dudley-street Opera House.....	Dudley st.
22....	\$700 " "	Tomfohrde Hall	Boylston Station.
23....	\$500 " "	Minton Hall.....	Forest Hills Station.
24....	\$675 " "	Dorchester Hall	Field's Corner, Dorches- ter.
25....	City building.	Old Town Hall.....	Washington st., Brighton.

City Scales, as follows, viz. :

North Scales, Haymarket square.

South Scales, City stables, yard, Albany street.

South Boston Scales, Foundry street and Dorchester avenue.

Roxbury Scales, Eustis and Mall streets.

Brighton Scales, Rockland street, off Washington street.

East Boston Scales, Liverpool street.

West Roxbury Scales, Centre and La Grange streets.

Jamaica Plain Scales, Centre street and Starr lane. .

City Pound, located as follows, viz. :

East Boston, Ashley avenue.

ARCHITECT DIVISION.

February 1, 1901.

MILTON C. PAIGE, Esq.,

*Superintendent, Public Buildings Department, Boston,
Mass. :*

DEAR SIR, — I beg to submit to you the report of the Architect Division of your Department for the year ending January 31, 1901.

The work and organization of the Division has continued as during the two previous years, the transfer of the Division from the Engineering Department to your Department on May 11, 1900, practically making no change except in office location.

A brief outline history of the Division may not be out of place at this time, and may serve to show its duties, its relation to other Departments and its possible field of usefulness.

The Division was organized in July, 1895, by the Superintendent of Public Buildings, to take charge of and complete the work of the Architect Department, abolished by Section 22, Chapter 449, of the Acts of 1895. By this act the authority and duties of the City Architect relative to all unfinished work were transferred to the Superintendent of Public Buildings, and the several Departments authorized to employ architects in private practice in connection with their future building operations, subject to the approval of the Mayor. Owing to the troublesome conditions under which some of the unfinished alteration work had to be done it was not entirely completed until the summer of 1898.

During these three years the services of the Division were in growing demand by many of the Departments in connection with the construction of unimportant buildings, and for more or less extensive alterations; also for the preparation of sketches and estimates, and for general consultation on matters pertaining to the construction and equipment of buildings.

It had been found that many such services could be performed more economically, and at great convenience to the Departments by an office of this kind, than by reference to outside architects; also that with such an office in successful operation, many matters which would otherwise receive com-

paratively little attention were referred and carefully studied out with reference to future needs. The continual studying of the building problems of the various Departments and institutions, and comparing the results obtained from different treatments, has naturally resulted in a more conservative and far-sighted building policy than would have otherwise obtained. This is particularly true in the matter of heating, plumbing, lighting and other special apparatus, the details of which are not always familiar to all architects, and the City would doubtless benefit greatly by the general reference of all such matters to this Division, even in cases where outside architects are employed. This is already done by several of the Departments, with, I believe, most satisfactory results.

The services of the Division in a consulting capacity have furthermore often proved beneficial in determining schemes of extension and during the preparation of plans by outside architects. For this purpose arrangements have been made so that the services of a Consulting Architect of the highest standing is available to all Departments when occasion requires.

The office is now organized as an expert force, and every effort is made to place at the disposal of the different Departments full and reliable information on matters of architectural design and construction, plumbing, heating and ventilation, power plants, cooking, and laundry apparatus, elevators, etc.

In matters of consultation, reports, etc., the services of the Division are rendered without charge, but in cases of the preparation of plans and superintendence of construction work charges are made against the several Departments or appropriations under which the work is done. The charges are based on the actual cost of the work to the Division, and have averaged about $2\frac{1}{2}$ per cent. of the cost of construction, as against from 5 per cent. to 10 per cent. if the work had been done by private architects.

The total cost of the Division for the year has been \$9,142.23, which is properly distributed as follows :

For approval of plans, specifications, contracts, etc.,	
and changes in same	\$2,500 00
For reports, sketches, and other consulting work	2,500 00
For plans, specifications, and superintendence of	
work actually constructed	4,142 23
Total cost of Division	\$9,142 23
<i>Amount carried forward</i>	<i>\$9,142 23</i>

<i>Amount brought forward</i>	\$9,142 23
Total amount charged off against other City Departments	1,963 25
Net cost	<u>\$7,178 98</u>

Owing to the transfer of the Division, May 11, 1900, this net cost is divided as follows:

Engineering Department	\$2,638 52
Public Buildings Department	4,540 46
Total	<u>\$7,178 98</u>

The following is a general synopsis of the work performed by the Division for the year ending January 31, 1901:

Plans and contracts have been approved.

Plans.

Apartment Hotel, Westland avenue.
 Residence, 496 Commonwealth avenue.
 Primary School-house, Parker street, building.
 Primary School-house, Parker street, heating.
 Grammar School-house, Morton and Norfolk streets, building.
 Grammar School, Morton and Norfolk streets, heating.
 Grammar School-house, Morton and Norfolk streets, electric work.
 Chapman School, heating and ventilation.
 Relief Station, Haymarket square.
 Residence, 405 Commonwealth avenue.

Contracts.

Dorchester High School, plumbing	\$18,878 00
Primary School-house, Parker street, building	34,870 00
Bigelow School-house, plumbing	876 00
Chapman School-house, heating	10,779 00
Chapman School-house, plumbing	7,825 00
South Boston High School, cabinet work	9,548 00
East Boston High School	18,957 00
South Boston High School, grading	249 00

Additions and changes in contracts for the various City buildings now in process of construction, aggregating the sum of \$48,282.94, were carefully checked up, and report made to the Mayor as to their correctness.

Reports have been made on the following matters:

On the cost of extending wing, House of Correction.
 On the fire-alarm equipment, Faneuil Hall Building.
 On the heating and ventilation, Vose Building.

On additional office space, etc., for City offices.

On installation of heating plants in school-houses on a rental basis.

On electric plant in Grammar School-house, Norfolk and Morton streets.

On subway under Quincy Market.

On cost of heating Faneuil Hall.

On condition of buildings at Long Island.

On possible future extension of buildings at Parental School.

Sketch plans have been made and submitted on the following architectural problems :

Pauper Trustees Department.

New Nurses Home.

Cattle tie-up; several schemes.

Alteration of Old Boiler House.

Alteration of serving room.

Grading of grounds.

Cemetery Department.

Gate Lodge, Evergreen Cemetery.

Children's Trustees Department.

Parental School :

New sloyd building.

New stable.

New hennery.

Coal bunker.

Wooden Administration Building.

Alterations School Building.

Brick Administration Building.

Dormitory for 40 boys.

Chapel.

Gymnasium Building.

Block plan showing disposition of proposed new buildings.

Rainsford Island.

Manual Training Building, wooden, one story.

Manual Training Building, brick, one story.

Manual Training Building, wooden, two story.

Manual Training Building, brick, two story.

Coal pocket.

Alterations of Institutions Buildings.

Stable.

Wooden school building.

Board house.

Public Buildings Department.

New Municipal Building, on site of Old Court House.

Armory Building, Charlestown.

Alterations of Old Probate Building.
 Ward-room Building, etc., Ward 8.
 Municipal Building, Ward 16.
 Court House, Roxbury District.
 Battery Building, alterations, 11 Wareham street.
 Fireproof vaults in front of City Hall.
 Public toilet, Quincy Market.

Police Department.

Police Station No. 6, alterations.
 Police Station No. 16, stable in rear of.

Penal Institutions Department.

Extension of wing, House of Correction.
 New office, etc., on Sargent's Wharf.

Fire Department.

Engine-house No. 37, alterations.

Bath Department.

Women's Building, K street, alterations.
 General scheme for bathing facilities, L street.
 Signs, floats, etc.

Insane Trustees Department.

Domestic Building, Pierce Farm, alterations.
 Superintendent's House, Austin Farm, Pierce Farm.
 Laundry Building, Austin Farm, ventilation.

Street Department.

New stable, East Boston.
 New stable, North Grove street, Boston.

Miscellaneous.

Finished plans and detail drawings have been made for changes in offices, for inside finish, cupboards, lockers, closets, etc., for various departments.

The following is a statement of work, together with the approximate cost of the same performed and superintended by this Division:

Bath Department.

Signs, floats, rafts, alterations, etc.	\$500 00	
		\$500 00
<i>Amount carried forward</i>		\$500 00

Amount brought forward. \$500 00

Children's Trustees.

Rainsford Island, repairing burned buildings, erection of new stable, miscellaneous alteration work, etc. .	\$10,000 00	
		10,000 00

Hospital Department.

Elevators, etc.	\$4,300 00	
Work on Disinfector, South Department	700 00	
Heating and ventilation, Hay- market Square House .	4,500 00	
		9,500 00

Pauper Institutions Department.

Completion of Power House and Equipment, alteration work in laundry, new ma- chinery, etc.	\$31,000 00	
Erection and completion of Pump House	525 00	
Alteration of steam mains, etc.	3,500 00	
Miscellaneous alterations of plumbing	1,750 00	
Miscellaneous alteration work, etc.	1,100 00	
		37,875 00

Police Department.

Police Station No. 6, altera- tions	\$3,000 00	
		3,000 00

Penal Institutions Department.

Hospital Buildings, Deer Island, plumbing, heating, galvanized iron work, etc.	\$5,000 00	
Erection of office building, etc., Sargent's Wharf	2,134 00	
		7,134 00

Public Buildings Department.

Ambulance Station, South Boston	\$4,810 70	
Old Franklin School-house, heating, etc.	1,500 00	
Battery Building, Wareham street, alterations	18,000 00	

<i>Amounts carried forward.</i> .	\$24,310 70	\$68,009 00
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<i>Amounts brought forward.</i>	\$24,310 70	\$68,009 00
Ward-room, Ward 2, miscellaneous alterations . . .	2,100 00	
		26,410 70
<i>Insane Trustees Department.</i>		
Hot water heaters in buildings	\$650 00	
		650 00
<i>Grand total</i>		<u>\$95,069 70</u>

Respectfully submitted,

FRANK W. HOWARD,

Chief of Division.



ANNUAL REPORT
OF THE
PUBLIC GROUNDS DEPARTMENT
FOR THE YEAR 1901.

CITY OF BOSTON, PUBLIC GROUNDS DEPARTMENT,
CITY GREENHOUSES, EAST COTTAGE STREET,
DORCHESTER, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

DEAR SIR, — In compliance with the Revised Ordinances, I herewith submit my annual report of the expenditures of the Public Grounds Department for the year beginning February 1, 1900, and ending January 31, 1901.

I remain,

Your obedient servant,

WM. DOOGUE,

Superintendent.

PAYMENTS FOR EXPENSES UNDER THE GENERAL APPROPRIATION
FOR THE YEAR BEGINNING FEBRUARY 1, 1900, AND ENDING
JANUARY 31, 1901.

Salary, Superintendent . . .	\$4,000 00
Salary, Assistant Superintendent . . .	2,000 00
Teaming and reteaming plank-walks . . .	1,900 00
<i>Carried forward . . .</i>	<i>\$7,900 00</i>

<i>Brought forward</i>	.	.	.	\$7,900 00	
Hay, grain, etc., for eight horses	.	.	.	\$1,320 68	
Shoeing and clipping eight horses	.	.	.	375 74	
Veterinary services and medicine	.	.	.	159 36	
					1,855 78
Duties and foreign charges, freight, expresses, etc.	.	.	.		1,183 38
Hardware and small supplies	.	.	.		1,157 08
New furniture wagon	.	.	.	\$260 00	
Goddard buggy	.	.	.	200 00	
New business wagon	.	.	.	150 00	
Horse, buggy, and outfit	.	.	.	150 00	
Harnesses, blankets, etc.	.	.	.	185 45	
					945 45
Repairs on vehicles, harnesses, etc.	.	.	.		800 60
Tools, lawn mowers, repairs, and storage	.	.	.		910 68
Flower pots, tubs, and boxes	.	.	.		660 14
Carpentry repairs on plank-walks and settees	.	.	.		448 20
Telegraph service	.	.	.		362 95
Rubber hose	.	.	.		262 20
Car-tickets	.	.	.		250 00
Grass signs	.	.	.		180 00
Water rates	.	.	.		72 00
Damages to dresses	.	.	.		7 00
Rent of playgrounds	.	.	.		650 00
Labor on snow	.	.	.		950 23
					\$18,595 69

Office.

Clérk-hire	.	.	.	.	\$1,500 00	
Stationery, printing, etc.	.	.	.	.	252 61	
Cleaning	.	.	.	.	70 00	
Macey cabinet, files and cards	.	.	.	.	50 32	
Repairs on typewriting machine	.	.	.	.	8 55	
Typewritten work	.	.	.	.	1 50	
						1,882 98

Street Trees.

Labor	.	.	.	.	.	\$6,850 56	
Shade trees	.	.	.	.	.	1,250 00	
Teaming	.	.	.	.	.	267 00	
Photograph instrument, materials, etc.	.	.	.	.	.	111 02	

Carried forward . . . \$8,478 58 \$20,478 67

PUBLIC GROUNDS DEPARTMENT.

3

<i>Brought forward</i>	.	.	.	\$8,478 58	\$20,478 67
Asphaltum, varnish, etc.	.	.	.	65 05	
Loam	.	.	.	59 11	
Advertising	.	.	.	35 95	
Cement	.	.	.	18 15	
Manure	.	.	.	17 30	
Rope	.	.	.	13 30	
Wire netting	.	.	.	12 64	
Repairing tree brace	.	.	.	5 30	
Freight charges	.	.	.	66 64	
					8,772 02

Greenhouses.

Labor	.	.	.	\$5,551 16	
Coal	.	.	.	1,888 70	
Lumber and carpentry work	.	.	.	1,396 55	
Teaming and freight	.	.	.	632 33	
Fertilizers	.	.	.	390 05	
Loam	.	.	.	243 00	
Plants, shrubs, and flower-seeds	.	.	.	200 30	
New smokestack	.	.	.	193 25	
Stock and grate bars	.	.	.	185 44	
Cinders, clay, and ashes	.	.	.	112 00	
Glass-lights	.	.	.	61 29	
Plumbing repairs	.	.	.	55 17	
Electrical repairs	.	.	.	50 02	
Sod	.	.	.	45 00	
Electric lighting	.	.	.	42 84	
Repairs on roof	.	.	.	28 90	
Sand, cement, and lime	.	.	.	23 01	
Cleaning vault	.	.	.	20 00	
Repairing iron fence	.	.	.	16 05	
Ice	.	.	.	13 85	
Towel supply	.	.	.	12 00	
					11,160 91

Nursery, Cold Frames, and Storehouse.

Labor	.	.	.	\$2,632 32	
Rent of land	.	.	.	350 00	
Sod	.	.	.	102 87	
Loam	.	.	.	52 00	
Teaming	.	.	.	50 00	
Hay for covering	.	.	.	47 25	
					3,234 44

Common.

Labor	.	.	.	\$18,456 08	
Teaming	.	.	.	1,830 25	
<i>Carried forward</i>	.	.	.	\$20,286 33	\$43,646 04

<i>Brought forward</i>	\$20,286 33	\$43,646 04
Sod	1,579 47	
Lumber and carpentry repairs	578 59	
Grass-seed	393 44	
Blue gravel	339 15	
Cinders, ashes, etc.	168 00	
Lumber and repairs on band-stand	143 38	
Fertilizers	90 13	
Red gravel	85 29	
Fence poles	81 69	
Plumbing repairs	79 77	
Fence and gate repairs	74 21	
Loam	61 50	
Painting and lettering signs for Lafayette mall	54 42	
Cleaning office	36 00	
New stove, galvanized pipe, etc.	35 45	
Coal for office and tool-house	33 56	
Sand and cement	17 30	
Towel supply	15 40	
Guy-poles	15 00	
Electric lighting	12 95	
Repairs on Shaw monument	8 00	
		24,189 33

Public Garden.

Labor	\$12,605 98	
Bulbs	1,259 26	
Teaming	1,019 02	
Red gravel	783 22	
Plants and flower-seed	702 98	
Sod and grass-seed	704 91	
Roses and shrubs	369 15	
Manure	361 78	
Canada hardwood ashes	285 02	
Evergreen trees for covering	221 38	
Repairs on bridge	198 73	
Lumber	146 67	
Freight	82 00	
Blue gravel	51 50	
Sand	44 00	
Repairing iron fence	20 00	
Decorative figures	19 90	
Rustic stands	18 75	
Loam	12 00	
Fence poles	11 67	
Testing ashes	10 00	
<i>Carried forward</i>	\$18,927 92	\$67,835 37

<i>Brought forward</i>	.	.		\$18,927 92	\$67,835 37
Cinders	.	.	.	9 00	
Plumbing repairs	.	.	.	4 10	
					18,941 02

Massachusetts Avenue.

Labor	.	.	.	.	.	\$615 00	
Teaming	.	.	.	.	.	167 50	
Red gravel	.	.	.	.	.	57 56	
Loam	.	.	.	.	.	32 63	
Manure	.	.	.	.	.	29 61	
Grass-seed	.	.	.	.	.	18 36	
Fence poles	.	.	.	.	.	11 67	
Fence wire	.	.	.	.	.	10 61	
Repairing iron fence	.	.	.	.	.	17 55	
							960 49

Franklin Square.

Labor	.	.	.	.	.	\$538 00	
Fence poles	.	.	.	.	.	18 01	
Grass-seed	.	.	.	.	.	18 00	
Team	.	.	.	.	.	7 50	
Fence wire	.	.	.	.	.	7 25	
							588 76

Blackstone Square.

Labor	.	.	.	.	.	\$548 00	
Grass-seed	.	.	.	.	.	17 32	
Fence poles	.	.	.	.	.	17 00	
Teams	.	.	.	.	.	10 00	
Fence wire	.	.	.	.	.	7 25	
							599 57

Worcester Square.

Labor	.	.	.	.	.	\$285 00	
Grass-seed	.	.	.	.	.	6 67	
Fence poles	.	.	.	.	.	2 92	
Team	.	.	.	.	.	1 50	
							296 09

Concord Square.

Labor	.	.	.	.	.	\$190 00	
Bulbs	.	.	.	.	.	19 60	
Manure	.	.	.	.	.	10 07	
Plants	.	.	.	.	.	9 34	
							229 01

<i>Carried forward</i>	.	.	.	.	.	\$89,450 31
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Rutland Square.

<i>Brought forward</i>	.	.	.	.	.	.	\$89,450 31
Labor	.	.	.	.	.	\$180 00	
Bulbs	.	.	.	.	.	26 12	
Manure	.	.	.	.	.	8 72	
Plants	.	.	.	.	.	7 77	
							222 61

Copley Square.

Labor	.	.	.	.	.	.	\$251 00	
Bulbs	.	.	.	.	.	.	162 15	
Manure	.	.	.	.	.	.	66 93	
Team	.	.	.	.	.	.	20 00	
Plants	.	.	.	.	.	.	12 44	
Sand	.	.	.	.	.	.	5 25	
Fence poles	.	.	.	.	.	.	2 92	
								520 69

Union Square.

Labor	.	.	.	.	.	.	\$210 00	
Plumbing repairs	.	.	.	.	.	.	27 56	
Grass-seed	.	.	.	.	.	.	5 99	
Teams	.	.	.	.	.	.	1 50	
								245 05

Washington Square.

Labor	.	.	.	.	.	.	\$130 00	
Red gravel	.	.	.	.	.	.	35 00	
Manure	.	.	.	.	.	.	10 07	
Bulbs	.	.	.	.	.	.	9 80	
Plants	.	.	.	.	.	.	9 34	
Grass-seed	.	.	.	.	.	.	6 67	
Teams	.	.	.	.	.	.	1 50	
								202 38

City Hall.

Labor	.	.	.	.	.	.	\$175 00	
Sod	.	.	.	.	.	.	57 33	
								232 33

Park Square.

Labor	.	.	.	.	.	.	\$111 00	
Sod	.	.	.	.	.	.	23 85	
								134 85

<i>Carried forward</i>	.	.	.	.	.	.	\$91,008 22
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Lowell Square.

<i>Brought forward</i>	.	.	.	.	.	\$91,008 22
Labor	.	.	.	.	.	\$111 00
Grass-seed	.	.	.	.	.	3 47
						114 47

Waltham Square.

Labor	.	.	.	.	.	\$86 00
Grass-seed	.	.	.	.	.	3 50
						89 50

Berwick Square.

Labor	.	.	.	.	.	\$195 00
Bulbs	.	.	.	.	.	11 75
Manure	.	.	.	.	.	8 57
Plants	.	.	.	.	.	4 67
						219 99

St. Stephen Square.

Labor	.	.	.	.	.	\$40 00
						40 00

SOUTH BOSTON DISTRICT.

Independence Square.

Labor	.	.	.	.	.	\$720 00
Balance payment on granolithic steps	.	.	.	.	.	1,585 75
Teams	.	.	.	.	.	149 00
Sod	.	.	.	.	.	128 88
Shrubs and trees	.	.	.	.	.	70 30
Manure	.	.	.	.	.	11 17
Fence poles	.	.	.	.	.	5 84
Lumber	.	.	.	.	.	5 82
Repairs on fountain	.	.	.	.	.	1 75
						2,678 51

Lincoln Square.

Labor	.	.	.	.	.	\$373 00
Bulbs	.	.	.	.	.	22 87
Repairing fence	.	.	.	.	.	20 70
Plants	.	.	.	.	.	15 60
Team	.	.	.	.	.	10 00
Manure	.	.	.	.	.	5 57
						447 74

Thomas Park.

Labor	.	.	.	.	.	\$474 00
Teaming	.	.	.	.	.	20 00
						494 00

<i>Carried forward</i>	.	.	.	.	.	\$95,092 43
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Commonwealth Park.

<i>Brought forward</i>	.	.	.	.	.	\$95,092 43
Labor	.	.	.	.	.	\$2,125 77
Fence rail	.	.	.	.	.	270 00
Teaming	.	.	.	.	.	263 50
Lumber and carpentry work	.	.	.	.	.	199 86
Cinders	.	.	.	.	.	111 00
Ashes	.	.	.	.	.	12 00
						2,982 13

EAST BOSTON DISTRICT.

Central Square.

Labor	.	.	.	.	.	\$440 00
Bulbs	.	.	.	.	.	69 02
Laying new tar concrete walk	.	.	.	.	.	30 00
Teams	.	.	.	.	.	24 00
Grass-seed	.	.	.	.	.	15 76
Plants	.	.	.	.	.	15 55
Fence poles	.	.	.	.	.	4 08
						598 41

Belmont.

Labor	.	.	.	.	.	\$370 00
Bulbs	.	.	.	.	.	23 64
Teams	.	.	.	.	.	17 18
Grass-seed	.	.	.	.	.	11 83
Plants	.	.	.	.	.	4 67
Fence poles	.	.	.	.	.	2 92
						430 24

Prescott Square.

Labor	.	.	.	.	.	\$230 00
Teams	.	.	.	.	.	6 00
Grass-seed	.	.	.	.	.	4 26
Fence poles	.	.	.	.	.	1 17
						241 43

Putnam Square.

Labor	.	.	.	.	.	\$320 00
Teams	.	.	.	.	.	9 00
Grass-seed	.	.	.	.	.	3 41
						332 41

Maverick Square.

Labor	.	.	.	.	.	\$395 00
Bulbs	.	.	.	.	.	9 80

<i>Carried forward</i>	.	.	.	.	.	\$404 80	\$99,677 05
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PUBLIC GROUNDS DEPARTMENT.

9

<i>Brought forward</i>	.	.	.	\$404 80	\$99,677 05
Teams	.	.	.	9 00	
Plants	.	.	.	4 67	
Grass-seed	.	.	.	1 49	
					419 96

CHARLESTOWN DISTRICT.

City Square.

Labor	.	.	.	.	.	\$365 00	
Bulbs	.	.	.	.	.	9 79	
Plants	.	.	.	.	.	9 33	
Manure	.	.	.	.	.	7 26	
							391 38

Winthrop Square.

Labor	.	.	.	.	.	\$410 00	
Repairing tablets and iron fence	.	.	.	.	.	179 00	
Plants	.	.	.	.	.	12 44	
Manure	.	.	.	.	.	9 00	
Fence poles	.	.	.	.	.	2 92	
							613 36

Sullivan Square.

Labor	.	.	.	.	.	\$460 00	
Cleaning and repairing fountain	.	.	.	.	.	89 50	
Teams	.	.	.	.	.	15 00	
Manure	.	.	.	.	.	14 62	
							579 12

Hayes Square.

Labor	.	.	.	.	.	\$340 00	
Manure	.	.	.	.	.	6 00	
							346 00

Essex Square.

Labor	.	.	.	.	.	\$195 00	
							195 00

DORCHESTER DISTRICT.

Meeting House Hill.

Labor	.	.	.	.	.	\$320 00	
Cleaning monument	.	.	.	.	.	215 00	
Teaming	.	.	.	.	.	19 00	
Manure	.	.	.	.	.	10 31	
							564 31

Carried forward \$102,786 18

Eaton Square.

<i>Brought forward</i>	.	.	.	.	.	\$102,786 18
Labor	.	.	.	.	.	\$320 00
Replumbing fountain	.	.	.	.	.	135 52
Bulbs and plants	.	.	.	.	.	32 10
Manure	.	.	.	.	.	3 00
						490 62

Mt. Bowdoin Green.

Labor	.	.	.	.	.	\$320 00
Bulbs and plants	.	.	.	.	.	24 98
Teams	.	.	.	.	.	21 00
Grass-seed	.	.	.	.	.	11 01
Manure	.	.	.	.	.	4 50
						381 49

Adams Square.

Labor	.	.	.	.	.	\$155 00
						155 00

Richardson Square.

Labor	.	.	.	.	.	\$130 00
						130 00

Peabody Square.

Labor	.	.	.	.	.	\$130 00
Fence poles	.	.	.	.	.	1 17
						131 17

Tremlett Square.

Labor	.	.	.	.	.	\$155 00
Bulbs, plants, and seeds	.	.	.	.	.	25 82
Manure	.	.	.	.	.	2 81
Fence poles	.	.	.	.	.	1 74
						185 37

Algonquin Square.

Labor	.	.	.	.	.	\$130 00
Bulbs	.	.	.	.	.	5 22
Plants and seeds	.	.	.	.	.	4 67
Manure	.	.	.	.	.	2 81
						142 70

Locust Street Playgrounds.

Loam	.	.	.	.	.	\$30 00
						30 00

<i>Carried forward</i>	.	.	.	.	.	\$104,432 53
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ROXBURY DISTRICT.

Washington Park.

<i>Brought forward</i>	.	.	.	.	.	\$104,432 53
Labor	.	.	.	.	.	\$600 00
Sod	.	.	.	.	.	27 00
Teams	.	.	.	.	.	20 00
Lumber	.	.	.	.	.	10 21
Fence poles	.	.	.	.	.	2 92
						660 13

Madison Park.

Labor	.	.	.	.	.	\$475 00
Ashes	.	.	.	.	.	92 00
Fence poles	.	.	.	.	.	23 34
Teams	.	.	.	.	.	19 50
Fence wire	.	.	.	.	.	14 50
Lumber	.	.	.	.	.	8 77
Grass-seed	.	.	.	.	.	8 00
						641 11

Orchard Park.

Labor	.	.	.	.	.	\$485 00
Teams	.	.	.	.	.	65 50
Fence poles	.	.	.	.	.	35 01
Grass-seed	.	.	.	.	.	24 00
Ashes	.	.	.	.	.	24 00
Lumber	.	.	.	.	.	52
						634 03

Bromley Park.

Labor	.	.	.	.	.	\$260 00
Grass-seed	.	.	.	.	.	20 05
Fence poles	.	.	.	.	.	2 92
						282 97

Fountain Square.

Labor	.	.	.	.	.	\$260 00
Teams	.	.	.	.	.	3 00
						263 00

Cedar Square.

Labor	.	.	.	.	.	\$190 00
Loam	.	.	.	.	.	24 00
Gravel	.	.	.	.	.	5 40
Teams	.	.	.	.	.	5 00
						224 40

Carried forward \$107,138 17

Longwood Park.

<i>Brought forward</i>	.	.	.	.	\$107,138 17
Labor	.	.	.	.	\$185 00
					185 00

Lewis Park.

Labor	.	.	.	.	\$190 00
Grass-seed	.	.	.	.	3 20
Fence poles	.	.	.	.	1 17
					194 37

Walnut Park.

Labor	.	.	.	.	\$130 00
Fence poles	.	.	.	.	1 17
					131 17

Linwood Park.

Labor	.	.	.	.	\$165 00
					165 00

Highland Park.

Labor	.	.	.	.	\$300 00
					300 00

Centre Street.

Labor	.	.	.	.	\$90 00
					90 00

Martin School.

Plants, bulbs, and seeds	.	.	.	.	\$34 21
Manure	.	.	.	.	5 57
					39 78

Warren Square.

Labor	.	.	.	.	\$120 00
Fence poles	.	.	.	.	1 16
					121 16

Soldiers' Monument Lot.

Labor	.	.	.	.	\$130 00
					130 00

<i>Carried forward</i>	.	.	.	.	\$108,494 65
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BRIGHTON DISTRICT.

Brighton Square.

<i>Brought forward</i>	.	.	.	.	.	\$108,494 65
Labor	.	.	.	.	.	\$280 00
Bulbs	.	.	.	.	.	11 67
Manure	.	.	.	.	.	5 57
Grass-seed	.	.	.	.	.	5 00
						302 24

Jackson Square.

Labor	.	.	.	.	.	\$280 00
Grass-seed	.	.	.	.	.	5 87
Manure	.	.	.	.	.	3 00
						288 87

Fern Square.

Labor	.	.	.	.	.	\$260 00
Manure	.	.	.	.	.	3 00
Grass-seed	.	.	.	.	.	1 60
						264 60

Total	.	.	.	.	.	.	\$109,350 36
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SPECIAL APPROPRIATIONS.

Fence around Storage Lot and Storehouses.

Lumber	.	.	.	.	.	\$1,805 70
Labor	.	.	.	.	.	866 53
Hardware, tools, etc.	.	.	.	.	.	71 26
						\$2,743 49

Fence around Heath Square, Old Heath, New Heath, and Parker Streets.

Granite curb and iron fence	.	.				\$809 00
Labor	.	.	.	.	.	109 96
Loam	.	.	.	.	.	81 04
						\$1,000 00

Independence Square, Improvements.

Granolithic stone steps	.					\$2,358 40
Less amount paid from general appropriation	.					1,500 00
						\$858 40
Labor and engineering	.	.	.			323 88
Lumber	.	.	.	.	.	180 50
						\$1,362 78

INVENTORY OF TOOLS.

10 shovels, round pointed.	3 chisels.
14 " long handles.	1 saw set.
137 " snow.	2 saw files.
6 " plain.	1 cutting nippers.
3 " coal.	1 pair snip shears.
18 " post-hole.	3 cold chisels.
28 spades.	1 draw knife.
11 spading forks.	1 hand brush.
10 stable forks.	1 saw clamp.
16 rakes, wooden.	2 door clamps.
16 " iron.	1 glue pot.
9 hoes, garden.	1 drawing board.
6 " grub.	1 set drawing tools.
2 edging knives.	1 level.
27 trowels, garden.	2 iron brands.
20 picks.	1 stone hammer.
17 pick handles.	1 mason's hammer.
4 sledge hammers.	1 grindstone.
11 iron wedges.	6 crow-bars.
2 scythes and snathes.	1 wire stretcher.
10 sickles.	2 Stillson wrenches.
4 sickle stones.	4 small "
24 axes.	2 pairs pipe tongs.
6 sieves.	1 platform scales.
7 watering cans.	1 stove.
1 pruning shears.	1 heavy chain.
8 wheelbarrows.	6 painter's dusters.
2 trucks.	1 machine hammer.
14 saws.	2 claw hammers.
2 glass-cutters.	5 glazier's chisels.
2 pliers.	2 hatchets.
2 bit-stocks.	2 " shingling.
1 auger-bit.	1 " lather's.
1 small bit.	1 lightning saw.
4 gimlet-bits.	1 spokeshave.
4 twist drills.	1 ice plainer.
2 hose menders.	2 trucks, four-wheeled.
6 putty knives.	3 cultivators.
1 screw driver.	1 wheelbarrow.
4 steel punches.	1 prong harrow.
1 " set.	2 gravel scoops.
3 wooden mallets.	2 snow "
1 steel square.	2 horse mowers.
1 stamp.	2 ploughs.
6 hand clamps.	188 signs (keep off the grass).
1 wooden bench vise.	3 signs iron (keep off the grass).
1 iron vise.	108 signs (seeded down).
2 chalk lines.	

1 painter's trestle.	1 set extension poles.
1 horse ash spreader.	2 tool boxes.
1 hand " "	1 50-foot tape-measure.
30 mowing machines.	2 fruit ladders.
9 pieces rope.	1 28-foot extension ladder.
1 pruning shears.	2 33 " " "
6 hand-saws.	2 43 " " "
4 cross-cut saws.	4 horses, driving.
1 monkey-wrench.	4 " working.
3 sets blocks and rope.	1 top buggy.
2 tree poles.	3 open buggies.
2 pole saws.	5 wagons.
3 pruning shears.	1 tip cart.
1 extension pruner.	3 watering carts.
9 hatchets, small.	10 sets of harness.
2 " large.	8 robes.
1 buck saw.	2 carriage blankets.
6 pairs wire cutters.	8 horse blankets.
4 hammers.	1 carriage mat.
4 lanterns.	2 carriage weights.
4 lanterns globes extra.	2 sets horse boots.
3 blocks, extra.	

Greenhouse — Office Furniture.

3 black walnut roll-top desks.	1 watchman clock.
1 oak roll-top desk.	6 black walnut chairs, cane seats and backs.
2 letter presses.	3 swivel desk chairs.
1 "Macey" cabinet and file.	1 large centre rug.
1 typewriting machine.	8 medium-sized rugs.
1 iron safe.	1 brush mat.
1 "Howard" clock.	

Deer Park — Office Furniture.

1 black walnut roll-top desk.	1 mat.
1 " " cabinet desk.	1 rug.
7 chairs.	1 looking-glass.
1 clock.	1 stove.

As a convenient reference I append the following list of the seventy parks and squares, which are in charge of the Department of Public Grounds, showing their respective localities and superficial areas:

CITY PROPER.

Common. — Park, Tremont, Boylston, Charles, and Beacon streets; contains $48\frac{2}{5}$ acres;¹ iron fence on Charles and Beacon street sides.

¹ Exclusive of cemetery, containing one and two-fifths acres.

Public Garden. — Charles, Boylston, Arlington, and Beacon streets; contains $24\frac{1}{4}$ acres; enclosed by an iron fence.

Fort Hill Square. — Oliver and High streets; contains 29,489 sq. ft.

Franklin Square. — Washington, East Brookline, East Newton, and James streets; contains 105,205 sq. ft.

Blackstone Square. — Washington, West Brookline, West Newton streets, and Shawmut avenue; contains 105,100 sq. ft.

Massachusetts Avenue. — Between Albany street and Harrison avenue; contains 9,300 sq. ft.

Massachusetts Avenue. — Between Harrison avenue and Washington street; contains 13,050 sq. ft.

Massachusetts Avenue. — Between Washington and Tremont streets; contains 74,000 sq. ft.; malls enclosed by an iron fence.

Massachusetts Avenue. — Between Tremont street and Columbus avenue; contains 10,150 sq. ft.

Concord Square. — Between Tremont street and Columbus avenue; contains 5,000 sq. ft.

Rutland Square. — Between Tremont street and Columbus avenue; contains 7,400 sq. ft.

Berwick Park. — Off Columbus avenue, near N. Y., N. H. & H. R.R.; contains 3,800 sq. ft.; enclosed by granite curb.

Union Park. — Between Tremont street and Shawmut avenue; contains 16,000 sq. ft.; malls enclosed by iron fence.

Worcester Square. — Between Washington street and Harrison avenue; contains 16,000 sq. ft.

Lowell Square. — Cambridge and Lynde streets; contains 5,772 sq. ft.; enclosed by iron fence.

Park Square. — Columbus avenue, Eliot and Pleasant streets; contains 2,867 sq. ft.

Copley Square. — Between Huntington avenue, Boylston and Dartmouth streets; contains 28,399 sq. ft.; enclosed by a granite curb.

Between Huntington avenue, Trinity place, and St. James avenue; contains 5,410 sq. ft.; enclosed by a granite curb.

City Hall Grounds. — School street; contains 7,700 sq. ft.

Square. — Harrison avenue, between Union Park and Waltham streets; contains 3,000 sq. ft.

St. Stephen's Square. — At the corner of St. Stephen's and Batavia streets; contains 100 sq. ft.

SOUTH BOSTON.

Telegraph Hill. — Thomas Park; contains 190,000 sq. ft.

Independence Square. — Broadway, Second, M, and N; contains $6\frac{1}{2}$ acres; enclosed by shrubbery hedge.

Lincoln Square. — Emerson, Fourth, and M; contains 9,510 sq. ft.; enclosed by an iron fence.

EAST BOSTON.

Maverick Square. — Sumner and Maverick streets; contains 4,398 sq. ft.; enclosed by stone curb.

Central Square. — Meridian and Border streets; contains 40,310 sq. ft.; enclosed by stone curb.

Belmont Square. — Webster, Sumner, Lamson, and Seaver streets; contains 30,000 sq. ft.; enclosed by an iron fence.

Putnam Square. — Putnam, White, and Trenton streets; contains 11,628 sq. ft.; enclosed by an iron fence.

Prescott Square. — Trenton, Eagle, and Prescott streets; contains 12,284 sq. ft.

ROXBURY DISTRICT.

Madison Square. — Sterling, Marble, Warwick, and Westminster streets; contains 122,191 sq. ft.

Orchard Park. — Chadwick, Orchard park, and Yeoman streets; contains 104,492 sq. ft.

Washington Park. — Dale and Bainbridge streets; contains 396,125 sq. ft.

Longwood Park. — Park and Austin streets; contains 21,000 sq. ft.

Walnut Park. — Between Washington street and Walnut avenue; contains 5,736 sq. ft.

Lewis Park. — Highland street and Highland avenue; contains 5,600 sq. ft.

Bromley Park. — From Albert to Bickford street; contains 20,975 sq. ft.; three enclosures.

Fountain Square. — Walnut avenue, from Munroe to Townsend street; contains 116,000 sq. ft.

Cedar Square. — Cedar street, between Juniper and Thornton streets; contains 26,163 sq. ft.

Linwood Park. — Centre and Linwood streets; contains 3,625 sq. ft.; enclosed by stone curb.

Public Ground. — Centre and Perkins streets; contains 3,200 sq. ft.

Highland Park. — Fort Hill avenue; contains 114,065 sq. ft.; occupied partly by Roxbury Stand pipe.

Public Ground. — Warren, James, and Regent streets; contains 1,380 sq. ft.; enclosed by granite curb.

Public Ground. — Junction of Huntington avenue, Tremont and Francis streets; contains 1,662 sq. ft.

Square. — Albany street, near mall.

Square. — Old Heath, New Heath, and Parker streets; contains 2,419 sq. ft.; enclosed by iron fence.

Square. — Abbotsford, Crawford, and Harold streets; contains 966 sq. ft.

DORCHESTER DISTRICT.

Dorchester Square. — Meeting House Hill; contains 56,200 sq. ft.; Soldiers' Monument on this square.

Eaton Square. — Adams and Bowdoin streets; contains 13,280 sq. ft.

Mt. Bowdoin Green. — Top of Mt. Bowdoin; contains 25,170 sq. ft.

Richardson Square. — Between Pond and Cottage streets; contains 75,982 sq. ft.

Public Ground. — Magnolia street; contains 3,605 sq. ft.

Public Ground. — Dorchester Field;¹ contains 274,000 sq. ft.

Public Ground. — Adams street, near Pierce avenue; contains 2,068 sq. ft.

Public Ground. — Adams street, near Cedar Grove Cemetery; contains 700 sq. ft.

Algonquin Square. — Algonquin and Bradley streets; contains 1,728 sq. ft.

Tremlett Park. — Tremlett street, between Hooper and Waldeck streets; contains 7,107 sq. ft.

Peabody Square.

CHARLESTOWN DISTRICT.

City Square. — Head of Bow and Main streets; contains 8,739 sq. ft.; enclosed by stone curb and iron fence.

Sullivan Square. — Main, Cambridge, Sever, and Gardner streets; contains 56,428 sq. ft.

Winthrop Square. — Winthrop, Common, and Adams streets; contains 38,450 sq. ft.; enclosed by an iron fence; Soldiers' Monument on this square.

¹ Property Gibson School Fund.

Public Ground. — Essex and Lyndeboro' streets; contains 930 sq. ft.

Hayes Square. — Bunker Hill and Vine and Moulton streets; contains 4,484 sq. ft.

WEST ROXBURY DISTRICT.

Soldiers' Monument Lots. — South and Centre streets; contains 5,870 sq. ft.

Public Ground. — Top of Mt. Bellevue; contains 27,772 sq. ft.

BRIGHTON DISTRICT.

Public Ground. — Pleasant and Franklin streets; contains 1,900 sq. ft.

Jackson Square. — Chestnut Hill avenue, Union and Winship streets; contains 4,300 sq. ft.; enclosed by stone curb.

Brighton Square. — Between Chestnut Hill avenue and Rockland street, and opposite branch of Public Library; contains 25,035 sq. ft.

Franklin Square. — Between Franklin and Fern streets; contains 1,900 sq. ft.

Square. — Cambridge, Murdock, and Sparhawk streets; contains 7,449 sq. ft.

Square. — Cambridge and Mansfield streets; contains 13,948 sq. ft.

Greenhouses and Nursery Grounds. — Between Massachusetts avenue and East Cottage street, Dorchester; contains 102,531 sq. ft.

Storehouse Grounds. — Massachusetts avenue, adjoining location of N. Y., & N. E. R.R.; contains 96,375 sq. ft.



ANNUAL REPORT
OF THE
REGISTRY DEPARTMENT
FOR THE YEAR 1899-1900.

BOSTON, April 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

Sir, — In compliance with the ordinance, I beg leave to report that, according to our books, there were recorded for the year 1900

16,351 births { including 346 children of parents usually residing out of this City.
27 born out of town of Boston parents.
Males, 8,376; females, 7,975.

6,049 marriages solemnized in this City.

1,010 marriages of citizens married elsewhere in the State, including 150 marriages of citizens married out of the State.

6,912 marriage certificates issued.

11,670 deaths.

726 residents of Boston who died elsewhere.

675 stillborn children.

FINANCIAL STATEMENT.

Appropriation for 1900-1901	\$32,500 00
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EXPENDITURES.

Salaries	\$20,138 34
Binding	1,226 21
Printing	2,204 54
Births	1,629 29
Printing Ancient Records	2,890 00
Sundries	3,000 10
Unexpended balance	1,411 52
	<u>\$32,500 00</u>

SPECIAL RECEIPTS AND PAYMENTS.

Receipts.

Cash on hand, February 1, 1901. (City Doc. No. 61)	\$743 25
Received for Marriage Licenses from February 1, 1900, to January 31, 1901, inclusive:	

Nos. 557 — 6912 of 1900, = 6,356 certificates
 Nos. 1 — 558 of 1901 = 558 "

6,914 " @ 50c. =

3,457 00

\$4,200 25

Expenditures.

Paid physicians for 14,649 births, at 25 cents, reported from February 1, 1900, to February 1, 1901, as per vouchers paid in by me to the Auditor, and receipted for by him, viz.:

1900.			
February	661 births @ 25c.		\$165 25
March	951 " "		237 75
April	961 " "		240 25
May	1,097 " "		274 25
June	1,142 " "		285 50
July	1,257 " "		314 25
August	1,026 " "		256 50
September	997 " "		249 25
October	1,073 " "		268 25
November	865 " "		216 25
December	1,333 " "		333 25
January, 1901,	3,286 " "		821 50
	<u>14,649 =</u>		<u>\$3,662 25</u>
Cash balance, February 1, 1901			538 00
			<u>\$4,200 25</u>

Respectfully submitted,

E. W. MCGLENEN,

City Registrar.

TABLE 1.—DEATHS RECORDED IN BOSTON IN 1900, GIVING AGE PERIODS BY WARDS.

WARD.	UNDER 1 YEAR.		1 TO 2.		2 TO 5.		5 TO 10.		10 TO 15.		15 TO 20.		20 TO 25.		25 TO 30.		30 TO 35.		35 TO 40.		40 TO 45.		45 TO 50.		50 TO 55.		55 TO 60.		60 TO 65.		65 TO 70.		70 TO 75.		75 TO 80.		80 TO 85.		85 TO 90.		90 TO 95.		OVER 95.		MALES.	FEMALES.	TOTAL.	WARD.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.										
1.....	40	35	11	9	15	21	8	8	1	1	6	4	3	4	12	12	9	11	8	4	14	3	4	5	9	8	7	12	7	9	19	8	11	21	5	5	4	7	1	1	...	1	...	...	194	189	383	 1
2.....	47	45	12	8	16	13	6	6	...	2	4	6	7	10	13	13	16	5	19	13	18	9	7	5	12	2	10	9	14	12	6	10	6	9	7	4	1	4	...	...	...	2	...	1	221	188	409	 2
3.....	27	18	7	8	13	10	6	7	2	1	2	4	4	6	6	9	12	9	8	7	4	5	11	8	3	5	6	8	8	4	7	10	8	8	4	4	3	3	1	3	...	3	...	...	143	140	283	 3
4.....	28	25	12	7	10	5	2	6	5	3	1	1	3	9	3	7	7	5	10	4	6	12	7	3	5	6	9	9	6	8	5	9	3	4	4	3	4	3	1	2	...	1	1	...	132	132	264	 4
5.....	33	27	9	9	7	10	6	8	1	1	4	1	6	3	11	4	8	4	9	7	7	6	7	2	6	7	6	8	10	10	7	8	6	10	8	8	4	9	...	5	...	1	...	...	155	148	303	 5
6.....	102	82	52	43	40	42	9	15	3	5	10	9	16	8	29	18	12	9	25	17	17	16	18	13	18	12	16	9	13	10	13	6	6	4	2	1	2	3	2	1	...	1	...	...	405	324	729	 6
7.....	37	29	12	5	2	10	2	3	3	1	5	2	9	8	13	10	15	6	24	10	21	8	9	8	14	7	16	7	11	5	11	16	11	10	2	4	...	4	2	4	...	...	...	219	157	376	 7	
8.....	58	46	29	19	16	14	7	5	1	5	7	4	13	9	16	20	12	15	20	11	12	12	14	9	12	11	12	10	13	9	11	5	5	6	3	7	1	3	2	3	...	2	...	2	264	227	491	 8
9.....	51	56	11	10	15	14	6	8	2	3	6	6	12	14	22	23	14	14	21	11	15	17	14	15	22	14	13	17	11	14	13	17	8	15	3	11	7	5	...	2	...	2	...	1	266	289	555	 9
10.....	28	22	5	1	9	6	6	3	2	3	3	2	9	5	15	14	8	9	15	11	11	8	11	3	6	6	11	12	3	14	5	12	10	11	3	9	1	10	2	3	1	1	...	...	164	165	329	 10
11.....	20	13	6	3	7	9	2	2	1	...	3	7	4	4	9	4	7	10	7	10	4	6	6	12	15	11	16	7	12	10	10	10	13	16	13	19	6	12	4	9	1	1	...	1	166	176	342	 11
12.....	36	24	11	6	8	8	1	6	...	5	6	3	10	13	14	12	9	9	10	17	7	9	16	14	11	14	9	8	11	15	13	17	8	14	5	9	9	10	4	4	2	2	2	1	202	220	422	 12
13.....	83	71	12	21	17	23	8	12	4	6	5	7	21	16	16	14	27	16	15	13	11	14	11	7	12	17	9	10	11	12	9	11	7	10	3	5	2	5	...	2	1	...	...	1	284	293	577	 13
14.....	48	32	20	9	10	8	6	2	1	2	6	1	5	6	10	12	7	6	10	7	9	8	9	4	15	8	11	12	9	16	15	9	7	16	5	7	7	6	2	3	3	1	...	...	215	175	390	 14
15.....	42	46	11	5	9	12	4	4	3	1	7	4	7	6	7	11	9	6	9	9	6	5	12	3	11	6	14	11	8	13	11	11	4	7	5	6	5	1	2	3	...	1	...	1	186	172	358	 15
16.....	55	34	7	10	10	22	8	6	1	...	2	2	5	5	10	13	6	9	5	7	2	4	3	6	5	7	19	9	11	5	13	14	2	8	3	11	6	9	3	3	2	2	...	...	178	186	364	 16
17.....	72	60	23	21	28	30	14	18	2	2	5	3	10	9	13	14	14	13	12	15	13	12	11	16	13	10	9	14	10	11	9	17	7	13	10	12	9	4	1	1	...	6	...	...	285	301	586	 17
18.....	74	54	10	15	19	20	6	12	4	7	4	7	9	6	10	9	16	12	16	14	10	9	10	15	10	17	10	16	20	12	12	11	12	11	4	9	4	8	2	3	1	...	...	1	263	268	531	 18
19.....	62	57	16	11	26	21	18	8	3	7	5	2	14	11	14	10	9	9	11	11	16	10	13	11	8	10	14	6	8	10	11	16	11	12	6	5	1	6	1	5	...	...	...	267	238	505	 19	
20.....	47	41	7	5	17	10	8	8	2	4	3	9	7	8	18	9	9	15	9	6	7	8	5	15	11	10	13	16	11	14	14	14	11	16	6	16	5	19	3	10	...	4	...	...	213	257	470	 20
21.....	27	16	9	4	8	11	2	6	1	1	4	4	5	5	7	12	7	8	4	4	8	7	11	12	11	14	11	15	12	15	8	13	15	20	5	18	7	16	6	8	1	1	...	2	169	212	381	 21
22.....	53	37	9	6	25	16	9	8	2	3	6	7	7	9	12	12	15	12	9	7	7	8	6	7	6	12	11	8	5	10	10	8	8	10	10	11	2	8	...	4	...	1	...	...	212	204	416	 22
23.....	32	19	4	5	14	13	7	4	7	3	3	3	7	2	6	11	5	9	8	7	3	11	6	4	8	3	11	8	9	13	12	18	9	10	8	7	6	8	...	5	...	2	1	...	166	165	331	 23
24.....	33	30	5	7	7	11	6	2	1	...	6	5	11	8	7	5	9	10	12	13	10	4	5	5	16	14	6	8	10	6	9	17	9	10	6	15	9	8	7	7	3	2	...	...	187	187	374	 24
25.....	31	19	8	2	11	6	2	3	2	1	1	4	5	4	7	9	5	8	4	4	3	6	3	4	3	10	5	2	6	4	5	8	6	9	4	4	2	9	...	4	...	3	...	...	113	123	236	 25
Total Boston Residents	1,166	938	318	249	359	365	159	170	54	67	114	107	209	188	300	288	267	239	300	239	241	217	229	206	262	241	274	251	247	261	258	295	203	280	134	210	107	180	46	95	15	40	4	11	5,269	5,136	10,405	Total Boston Residents
Out-of-Town Residents	42	25	6	5	8	10	11	11	12	5	19	11	29	17	22	26	43	26	45	25	43	21	37	31	36	29	31	17	23	25	21	13	12	9	14	8	3	9	2	1	1	...	...	...	460	324	784	Out-of-Town Residents.
Residence Un-known	127	85	13	11	5	7	...	...	1	...	1	4	8	11	5	8	3	10	7	12	9	11	3	6	12	3	5	9	12	12	14	7	7	9	19	5	10	2	7	1	...	...	...	255	2			

DEATHS IN BOSTON IN 1900.

In the year 1900 there were 11,670 deaths recorded by this Department, an increase of 492 over the record of 1899, or 4.4 per cent. Decedents were divided as to sex as follows: Males, 5,984; females, 5,686, an increase of males over the previous year of 216, or 3.60 per cent., and of females of 276, or 4.85 per cent. Of the total number of decedents, 10,405 were residents of Boston (5,269 males and 5,136 females), 784 were residents of other places than Boston (460 males and 324 females), and 481 deaths were recorded with residence unknown (of these latter 255 were males and 226 females). There were 675 still-born infants, which are not included in the total number of deaths as given above. The greatest age attained by any decedent, as recorded, was (about) 110 years; of deaths occurring at the age of 95 years or more, exclusive of the case above quoted, there were 7 at 95 years (3 males and 4 females), 3 at 96, 2 at 97, 1 at 98 (all females, the last colored), and 1 male at 99 years. Of these female decedents 2 were single, 1 married, and 8 were widows; the males were all widowers.

The table (Table I.) herewith submitted gives the number of decedents in age periods in each of the wards, the out-of-town residents, and those whose residence was unknown. By Table III. it is shown that the greatest mortality among residents of Boston occurred in Ward 6, with a total of 729 deaths of all ages, or one in each 41 of its population. The lowest mortality rate is shown by Ward 25 with 236 deaths, or one in each 81 of its population:

	Population, 1900.	Deaths, 1900.	To Popula- tion, one death in	Deaths in each 1,000 of popu- lation.
Total population.....	560,892	11,670	48.06	20.81
Males.....	274,922	5,984	45.94	21.76
Females.....	285,970	5,686	50.29	19.88
Whites.....	548,083	10,304	53.19	18.80
Colored.....	12,809*	366†	34.99	28.57
Born in United States.....	363,763	7,646	47.57	21.02
Born in foreign countries.....	197,129	3,901	50.53	19.78
American parentage.....	156,826	2,679	58.53	17.08
Foreign parentage.....	404,066	6,812	59.31	16.85

* All other than white.

† Including 32 Chinese.

COLORED DECEDENTS. (TABLE II.)

There were 366 deaths of colored persons recorded in the year 1900. Of these 341 were residents: 189 males, 152 females; 14 were non-residents: 11 males, 3 females; and 11 were recorded with residence unknown: 9 males, 2 females. These figures include the deaths of all other than white persons, and among the returns are 35 colored other than black. Of these 32 are males, 3 females. Of the latter, 1 each is returned of Chinese, mixed, white and Indian, and mulatto; of the 32 males, 30 are returned as Chinese or yellow, 1 Japanese, 1 mixed(?).

CAUSES OF DEATH, *Residents* OF BOSTON. (TABLE III.)

During the year 1900 there were 11,137 deaths from natural causes: 5,590 males and 5,547 females; 476 deaths of a violent character: 374 males, 102 females; and 57 of which the cause of death is recorded as unknown: 29 males and 28 females. The residents of Boston whose death was caused by phthisis in its various forms numbered 1,261: males, 676; females, 585. The deaths from this cause is 12.12 per cent. of the whole number. Of the whole number of deaths of Boston residents by phthisis the 676 males form 12.82 per cent. of the total deaths of male residents of Boston, and the female deaths by this cause amount to 11.39 per cent. The greatest number of deaths by a single disease was 1,402, of pneumonia; 698 males and 704 females.

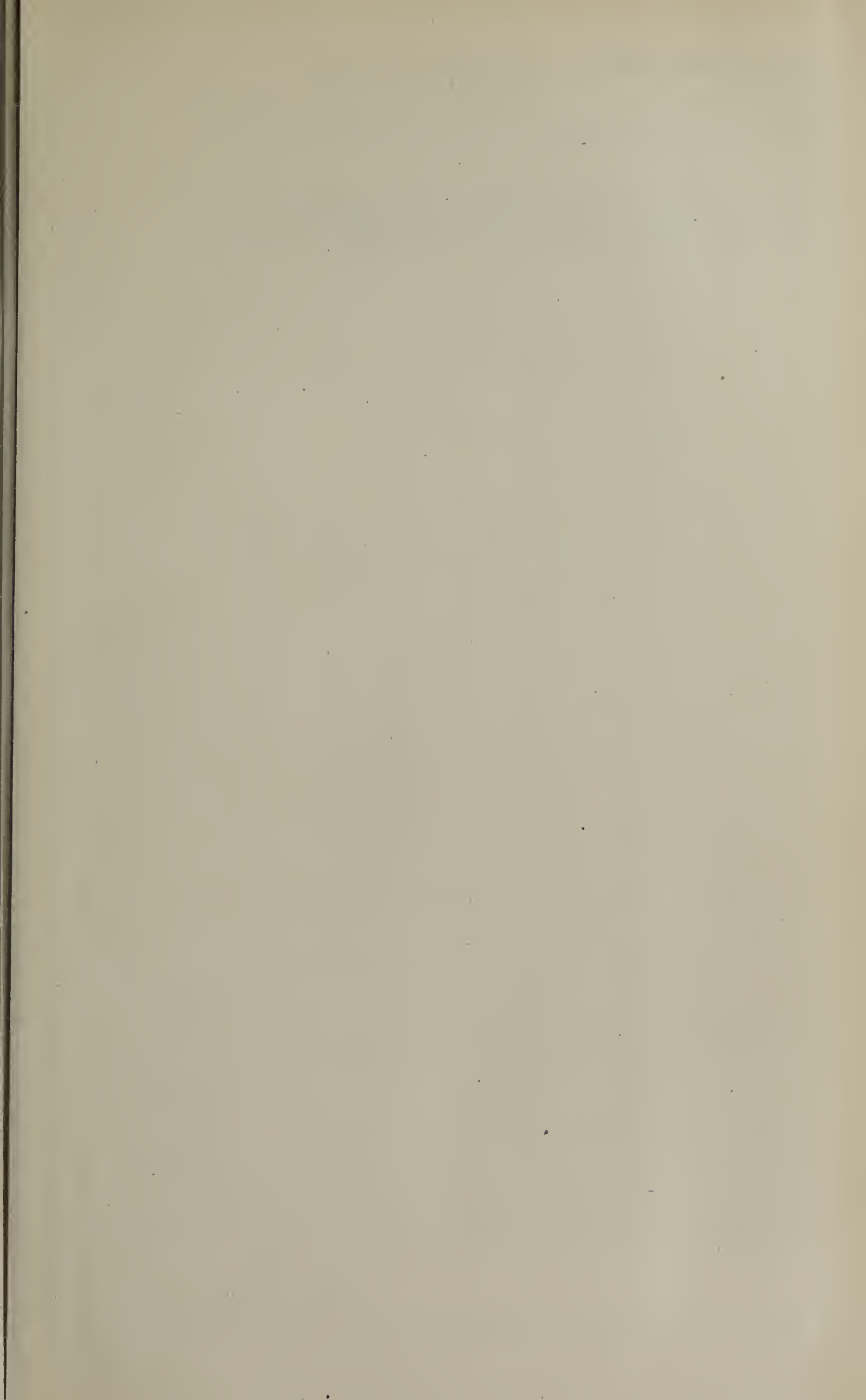
The deaths by pneumonia were 13.47 per cent. of the whole number of deaths; the male deaths from this cause was 12.08 per cent., and the female deaths 14.70 per cent., of the whole number of deaths of Boston residents, male and female respectively.

The deaths by diphtheria were 450: 227 males and 223 females. Ward 6 has the greatest number of deaths from this cause, or 54. Ward 15 shows the least number of deaths from this cause, 6.

The greatest number of deaths from any specified cause in any district of the city was 143, from pneumonia, in Ward 6.

PROPORTION OF DEATHS TO POPULATION OF WARDS, DEATH RATES BY WARDS, AND DEATHS OF FIVE YEARS AND UNDER, WITH PERCENTAGES. (TABLE III.)

The following table shows the greatest mortality of all ages among residents of Boston to have occurred in Ward 6, with a total of 729 deaths, or 6.25 per cent. of the total mortality, and one in every 41 of its population. The same ward shows the greatest mortality among infants under 1 year, being 184, or 8.74 per cent. of whole number of deaths under 1 year; as also the greatest number of deaths between 1 and 5 years; namely, 177, or 13.7 per cent. of the total mortality of that age period. This ward is second in population in the city, and its death rate far exceeds that of Ward 20, which is the first; this ward, with a



population 2,000 greater, or 6.67 per cent., had a total mortality of 470, or 4.02 per cent. of the whole number of deaths, and a percentage of 3.02 of the whole number of deaths of children of 5 years of age or less. Of course the difference of conditions of living are largely responsible for this difference in death rates. The district having the lowest death rate is Ward 25, with 236 deaths, or 2.02 per cent. of the whole number, equal to 1 in every 81 of the population of the ward; the death rate for children of 5 years and under in this ward is not the lowest, however, as Wards 10 and 11 consecutively have lower figures in this particular.

TABLE III.

WARD.	Population, United States Census, 1900.	Deaths in 1900.	Per cent. of Whole Number of Deaths.	Per cent. of Ward Population.	One in every	Deaths under One Year.	Per cent. of Whole Number of Deaths under One Year.	Deaths Between One and Five Years.	Per cent. of Whole Number of Deaths Between One and Five Years.
1.....	22,832	383	3.28	1.67	59	75	3.56	56	4.33
2.....	22,924	409	3.50	1.78	56	92	4.37	49	3.79
3.....	14,564	283	2.42	1.94	51	45	2.18	38	2.94
4.....	13,248	264	2.26	1.99	50	53	2.51	34	2.63
5.....	12,840	303	2.59	2.35	42	60	2.85	35	2.71
6.....	30,546	729	6.25	2.38	41	184	8.74	177	13.70
7.....	14,782	376	3.22	2.54	39	66	3.13	29	2.24
8.....	28,817	491	4.20	1.70	58	104	4.94	78	6.04
9	24,583	555	4.75	2.25	44	107	5.08	50	3.87
10.	22,142	329	2.81	1.48	65	50	2.37	21	1.08
11.....	19,275	342	2.93	1.77	56	33	1.56	25	1.93
12	23,641	422	3.61	1.78	56	60	2.85	33	2.55
13.....	22,835	577	4.85	2.52	40	154	7.31	73	5.65
14.....	21,453	390	3.34	1.81	55	80	3.80	47	3.64
15.....	19,700	358	3.06	1.81	54	88	4.18	37	2.86
16.....	20,017	364	3.11	1.81	54	89	4.23	49	3.79
17.....	25,038	586	5.21	2.34	42	132	6.27	102	7.90
18.....	22,401	531	4.55	2.37	42	128	6.08	64	4.95
19.....	27,178	505	4.32	1.85	53	119	5.65	74	5.73
20.	32,556	470	4.02	1.44	69	88	4.18	39	3.02
21.....	23,868	381	3.26	1.59	62	43	2.05	32	2.47
22.....	25,610	416	3.56	1.62	61	90	4.27	56	4.33
23.....	23,637	331	2.83	1.40	71	51	2.42	36	2.78
24	27,126	374	3.20	1.37	72	63	2.99	30	2.32
25.....	19,279	236	2.02	1.22	81	50	2.37	27	2.08

TABLE V. — CONJUGAL CONDITION OF DECEDENTS RECORDED IN BOSTON IN 1900, BY WARDS.

[Deaths, 11,670: Males, 5,984; Females, 5,686.]

WARD.	Total Deaths.	Male.	Female.	SINGLE.		MARRIED.		Widowers.	Widows.	DIVORCED.		UNKNOWN.	
				Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.
1.....	383	194	189	103	90	71	57	20	42	.....	.....	.....	.....
2.....	409	221	188	129	99	76	61	15	28	1	.....	.....	.....
3.....	283	143	140	78	65	45	43	19	32	.....	.....	1	.....
4.....	264	132	132	79	63	37	34	16	33	.....	1	.....	1
5.....	303	155	148	90	68	48	37	16	42	1	1	.....	.....
6.....	729	405	324	281	210	106	77	15	36	.....	.....	3	1
7.....	376	219	157	119	68	79	45	19	42	2	.....	.....	2
8.....	491	264	227	180	100	61	82	19	44	.....	1	4	.....
9.....	555	266	289	145	141	95	81	23	65	.....	2	3	.....
10.....	329	164	165	95	70	52	45	15	48	2	2	.....	.....
11.....	342	166	176	69	68	72	42	25	64	.....	2	.....	.....
12.....	422	202	220	110	100	65	52	25	63	1	5	1	.....
13.....	577	284	293	190	174	70	66	24	53	.....	.....	.....	.....
14.....	390	215	175	115	77	70	47	29	50	1	1	.....	.....
15.....	358	186	172	110	97	50	35	26	40	.....	.....	.....	.....
16.....	364	178	186	102	99	58	44	18	43	.....	.....	.....	.....
17.....	586	285	301	177	157	81	81	26	63	1	.....	.....	.....
18.....	531	263	268	156	149	79	63	28	55	.....	.....	.....	1
19.....	505	267	238	173	133	72	58	22	47	.....	.....	.....	.....
20.....	470	213	257	121	112	73	65	19	80	.....	.....	.....	.....
21.....	381	169	212	76	83	59	54	32	74	1	1	1	.....
22.....	416	212	204	130	101	73	50	8	53	1	.....	.....	.....
23.....	331	166	165	89	70	54	46	23	49	.....	.....	.....	.....
24.....	374	187	187	96	84	68	57	23	46	.....	.....	.....	.....
25.....	236	113	123	73	45	28	39	12	39	.....	.....	.....	.....
Total Boston Residents ..	10,405	5,269	5,136	3,086	2,523	1,642	1,361	517	1,231	11	16	13	5
Out-of-Town Residents ..	784	460	324	212	132	195	132	46	59	3	1	4	.....
Residence Unknown..	481	255	226	186	139	27	18	23	64			19	5
Total	11,670	5,984	5,686	3,484	2,794	1,864	1,511	586	1,354	14	17	36	10

To

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Violent Deaths.

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TABLE NO. IV.—CAUSES OF DEATH, NATURAL, VIOLENT AND UNKNOWN, WITH DEATHS BY PRINCIPAL DISEASES, BY WARDS, FOR 1900.

WARD.....		1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		12.		13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		25.		Out of town.		Residence unknown.		Totals.		
Total Deaths.....		383		409		283		264		303		729		376		491		555		329		342		422		577		390		358		364		586		531		505		470		381		416		331		374		236		784		481		11,670		
		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Males. Females.		Totals.				
Causes of Death:																																																										
Natural.....		179	186	207	184	138	139	120	128	144	147	376	314	203	151	248	222	252	277	151	159	156	173	186	217	268	287	208	171	172	165	173	184	274	290	248	263	255	231	205	253	162	211	203	197	159	161	176	187	110	121	381	314	227	224	5,500	5,547	
Total		365		391		277		248		291		690		354		470		529		310		329		403		555		379		337		357		564		511		486		458		373		400		320		363		231		695		451		11,137		
Principal Diseases:																																																										
Phthisis.....		19	13	31	31	11	18	12	13	26	11	33	29	45	21	32	26	52	38	26	20	11	19	26	23	51	47	31	22	21	27	22	16	39	31	38	34	31	25	25	24	15	15	29	34	15	16	23	16	12	16	48	31	29	23	753	639	1,392
Pneumonia.....		15	22	25	12	12	18	21	24	14	19	86	57	24	24	36	36	29	42	25	18	27	28	26	36	32	32	24	22	25	20	25	30	30	42	26	26	24	27	21	34	18	24	18	19	21	14	22	21	11	13	32	16	29	28	698	704	1,402
Diseases of Heart,		15	24	13	14	9	22	10	13	18	21	28	23	21	16	38	21	16	30	17	13	29	26	18	27	14	26	22	25	19	4	14	17	22	25	22	30	21	16	21	34	21	30	24	15	18	19	5	29	8	16	51	27	16	15	540	578	1,118
Meningitis.....		9	9	8	8	5	2	6	4	7	7	20	19	8	6	9	10	7	7	3	4	2	1	8	3	12	9	5	4	9	6	7	4	17	16	10	6	12	11	11	12	9	7	12	4	7	8	10	11	12	5	12	5	8	4	245	192	437
Diphtheria.....		8	7	10	10	11	13	4	6	5	10	29	25	5	4	9	9	10	7	8	2	7	6	1	8	6	6	6	6	3	3	4	7	20	11	12	26	23	20	11	4	5	6	16	18	8	6	3	4	4	4	2	6	5	7	235	235	470
Marasmus.....		3	1	5	7	3	2	3	4	5	5	6	9	4	4	6	3	8	8	5	2	3	4	5	5	18	13	6	6	4	11	12	9	8	5	8	4	14	16	3	4	3	1	5	3	1	1	4	6	2	2	5	4	24	13	174	152	326
Nephritis.....		8	7	11	5	7	3	3	1	2	4	12	2	8	6	1	5	7	7	4	9	3	5	7	6	3	3	2	6	3	2	1	2	4	3	7	6	4	4	6	6	1	6	5	5	4	5	9	4	2	4	8	11	3	5	135	132	267
Bright's Disease..		1	1	3	1	1	1	2	2	1	...	1	1	5	3	...	1	...	2	2	...	...	1	1	3	1	1	3	2	1	1	...	3	2	3	3	2	2	4	6	...	2	3	2	1	3	1	3	2	1	...	1	4	...	1	47	44	91
Cholera Infantum,		7	5	6	14	6	3	3	6	7	5	15	8	6	3	4	8	4	4	3	1	3	...	1	2	17	21	9	4	3	8	4	3	9	8	10	11	6	6	3	4	3	2	9	7	4	2	3	2	3	...	...	2	1	2	149	141	290
Cancer		6	10	8	8	6	6	2	6	1	6	2	9	4	1	4	2	5	10	3	11	6	8	3	16	7	3	9	3	4	4	4	5	5	9	6	11	8	4	5	17	5	15	5	11	2	10	4	8	2	7	16	32	...	17	132	249	381
Bronchitis.....		2	7	8	4	3	5	1	1	7	2	19	15	4	8	5	8	5	4	2	3	6	9	...	7	17	22	6	8	6	4	...	2	7	8	7	5	8	6	2	3	3	4	2	4	2	7	2	3	3	4	...	2	3	3	130	158	288
Typhoid Fever...		3	...	4	1	4	1	...	2	1	...	10	3	1	...	3	3	9	3	2	2	4	1	2	2	3	2	4	2	3	1	2	2	3	2	1	1	7	3	4	3	4	1	3	2	3	1	2	1	1	...	9	8	...	2	91	49	140
Apoplexy.....		1	1	2	...	3	4	...	2	2	8	4	3	1	1	3	1	5	3	2	2	3	7	4	2	4	4	1	3	2	5	2	4	4	5	4	8	1	2	5	9	9	6	4	5	7	4	7	8	2	1	6	3	2	3	90	104	194
All other diseases,		82	79	73	69	57	41	53	44	48	49	111	111	67	54	98	89	95	112	49	72	52	58	84	77	83	98	80	58	69	69	76	80	104	122	95	99	94	87	82	99	64	91	88	69	64	67	69	72	47	49	191	163	107	101	2,162	2,179	4,341
Violent Deaths.																																																										
{ Accidental.....		7	1	10	3	3	...	7	2	8	1	19	8	6	3	13	3	12	5	7	3	6	3	8	1	13	5	6	4	12	2	5	1	8	8	13	4	10	3	5	4	7	1	7	5	3	4	10	...	3	2	74	8	21	...	303	84	387
{ Suicide		6	2	3	...	...	...	1	1	2	...	5	...	6	1	2	...	2	2	5	3	3	...	6	1	1	...	...	1	...	...	1	3	2	1	...	1	2	2	...	...	1	1	2	...	1	...	...	4	1	2	1	60	18	78			
{ Homicide.....		...	...	...	...	...	...	...	...	...	3	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	11	...	11				
{ Total		13	3	13	3	3	...	8	3	10	1	27	8	13	4	16	3	14	7	12	6	9	3	14	2	14	5	6	4	13	2	5	2	11	10	14	4	11	5	8	4	7	1	9	6	5	4	11	...	3	2	78	9	28	1	374	102	
Total		16		16		3		11		11		35		17		19		21		18		12		16		19		10		15		7		21		18		16		12		8		15		9		11		5		87		29		476		
Unknown.....		2		1		1		2		1		4		1		1		...		2		2		3		2		...		2		...		5		1		...		1		...		1		1		1		1		1		29		28		
Total deaths from unknown causes..		2		2		3		5		1		4		5		2		5		1		1		3		3		1		6				1		2		3				1		2				2		2		57						

CONJUGAL CONDITION. (TABLE V.)

Of the residents of Boston who died in 1900 there were recorded as being married 1,642 males and 1,361 females, a total of 3,003 married decedents; there were 517 widowers and 1,231 widows; 11 males and 16 female decedents were divorced at time of death, and of 13 males and 5 females the conjugal condition was unknown; of the decedents who had arrived at the legal age for marriage and are recorded as single there were 916 males and 619 females; of the out-of-town residents who died in Boston, 195 males and 132 females were married; there were 46 widowers and 59 widows; 3 males and 1 female were divorced at time of death, and of 4 males the conjugal condition was unknown; of the decedents that had arrived at the legal age for marriage and recorded as single there were 114 males and 64 females. The decedents whose residence was unknown were classified as to conjugal condition as follows: Married, 27 males, 18 females, 23 widowers, 64 widows; and 41 males, 34 females, above the ages of 21 and 18 respectively are recorded as single. The greatest number of deaths of unmarried adult males in one ward was 73, in Ward 22; of females, 65 in Ward 13, of both sexes 126, in Ward 13.

The district showing the greatest number of deaths of married males is Ward 6, with 106; of females, Ward 8, with 82; of widowers, Ward 21, with 32; and of widows, Ward 20, with 80.

VIOLENT DEATHS.

In the year 1900 there were registered in Boston 476 deaths of a violent nature; 387 of which were from accident, 78 from suicide, and 11 homicides. Of the accidental deaths 303 were of males, and 84 of females. 208 males and 76 females were residents of Boston; 74 males and 8 females were non-residents; and of 21 males the residence was unknown.

Deaths by Accident.—In many cases the nature of the accident which was the cause of death is not given on the physician's return, but of those cases where the information has been given the following general classification has been made:

	Total.	Males.	Females.
Of railroad accidents (steam and electric),	55	50	5
falls of all kinds	100	79	21
burning and scalding	57	27	30
drowning	37	35	2
poisoning	13	6	7
“ (illuminating gas)	14	13	1
shooting	9	9	—
elevator accidents	9	8	1
run over by wagon, carriage, etc.	13	12	1
strangulation	2	1	1

	Totals.	Males.	Females.
struck by (falling body	4	4	—
explosion soda fountain)	1	1	—
“ (dynamite)	2	2	—
“ (heater)	1	1	—
suffocation	12	9	3
machinery accidents	2	2	—
under anæsthetic, for operation	1	—	1

Death by Suicide. — There were 78 cases of self-destruction recorded in the year 1900, of these 60 were males, 18 females; in all but 5 cases the manner of taking life has been noted on the report of the examiner, and from the returns the following general classification has been made:

Of deaths by	Total.	Males.	Females.
hanging	7	5	2
fire-arms	21	21	—
drowning	2	2	—
cutting or stabbing	7	6	1
poison	25	17	8
illuminating gas	9	8	1
leap from height	2	1	1
unknown	5	3	2

Homicide. — There were 11 cases of homicides during the year 1900 recorded at this office, all males, and 3 of the number infants; the manner of death as given in these cases was as follows: blow on head, 3; decapitation (infants), 2; shooting, 3; cutting or stabbing, 1; and of 2 the manner of death was unknown, or not given.

The greatest number of deaths by violence in any month occurred in November, 43; and the least number in September, 25. The greatest number for any season was 109, in October, November and December; and the least number 90, in July, August and September. The deaths by violence were 4.08 per cent. of the total number of deaths for 1900.

DEATHS — NATIVITY AND PARENTAGE (GENERAL) BY WARDS. (TABLE VI.)

Nativity. — There were 5,263 deaths of natives of Boston in 1900 (2,839 males and 2,424 females); of these decedents 4,949 were residents of Boston (2,654 males and 2,295 females), 85 were non-residents (51 males and 34 females), and of 229 the residence was unknown (134 males, 95 females).

There were recorded the deaths of 2,383 natives of the United States other than those of Boston birth (males 1,230, females 1,153), of these 1,873 were residents of Boston (946 males and 927 females), 444 were non-residents (257 males and 187 females), and of 66 the residence was unknown (27 males, 39 females).

The whole number of decedents of American birth was 7,646 (4,069 males, 3,577 females).

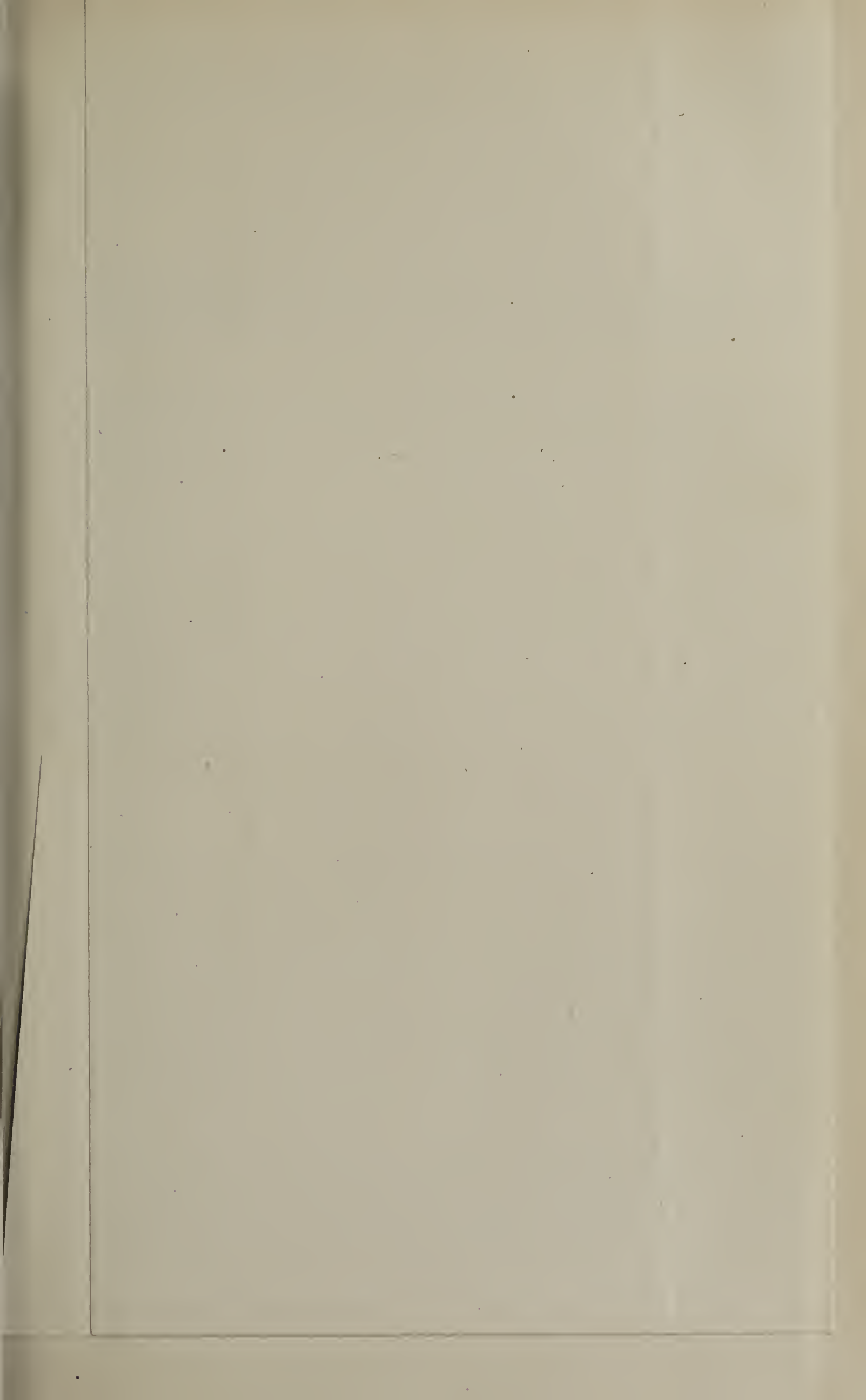


TABLE VI.—DEATHS: NATIVITY AND PARENTAGE (GENERAL) BY WARDS.

[illegible]

The foreign born decedents number 3,901 (1,829 males, 2,072 females), of these, 2,080 (906 males and 1,174 females) were born in Ireland. The native country of other decedents of foreign birth is shown in the table.

The decedents of Boston birth form 46 per cent., and those of American birth, including Boston born, 65 per cent. of the whole number of deaths; of foreign born decedents Ireland furnishes 17.82 per cent. of the whole number of deaths, and 53.31 per cent. of deaths of foreign born persons.

The deaths of non-residents and those whose residence was unknown form 10.84 per cent. of the total number of deaths.

The decedents of Boston birth who were resident in Boston at time of death form 42.40 per cent. of the whole number of deaths.

Parentage. — There were 558 decedents whose parents were both natives of Boston (311 males, 247 females), 1,028 who had one Boston born parent (525 males, 483 females); there were 2,121 deaths of persons of whom both parents were native Americans not including those of Boston born parentage (1,075 males, 1,046 females).

The number of decedents whose parents were both foreign born was 6,812 (3,436 males, 3,376 females).

The decedents of mixed (American and foreign) parentage were 960 in number (496 males, 464 females), and of these 471 had native fathers and foreign mothers, and 489 had native mothers and foreign fathers.

There were 685 deaths recorded with parentage unknown, and 516 with the nativity of one parent only known; of these latter the native fathers were 109, native mothers 176, foreign fathers 105, foreign mothers 126.

The 558 decedents whose parents were both natives of Boston form 4.78 per cent. of the whole number of deaths.

The 1,028 decedents with one Boston born parent formed 8.80 per cent. of the whole number of deaths.

The 2,679 decedents of American parentage (inclusive of parents born in Boston) were 23 per cent. of the whole number of deaths.

The 6,812 decedents of foreign born parentage were 58.37 per cent. of the whole number of deaths.

The 960 deaths of mixed parentage (ascertained) were 8.22 per cent. of the whole number of deaths.

The 685 decedents whose parentage was unknown form 5.86 per cent. of whole number of deaths.

OCCUPATIONS OF PERSONS WHO DIED IN BOSTON IN 1900.

A classification of occupations of deceased persons is herewith submitted, which is as complete as the information furnished by the undertakers upon their returns of deaths will allow. This information in a majority of cases is incomplete and gives no detail.

The same explanation will apply to the classification of occupations for the fathers of children born in Boston, and of the grooms and brides married in this City, both of which will appear in their respective divisions in this report.

The source of information for a classification of occupations is not explicit enough in details.

DEATHS IN BOSTON IN 1900—OCCUPATIONS AND CONJUGAL CONDITION OF MALE DECEDENTS.

	Single.	Married.	Widowed.	Divorced.	Unknown.
Merchants, dealers, etc.....	46	164	50	1	1
Mercantile.....	270	226	41	3	1
Professional.....	54	96	15	.....	.....
R. R. employees, steam and electric	21	39	6	.....	.....
Marine employments.....	16	18	5	.....	1
Steam engineering.....	10	23	11	.....	.....
Electrical business, supplies and construction.....	7	6	2	.....	.....
Government employees, national, State, municipal....	8	45	10	.....	.....
Brokers, real estate, insurance, money, etc.....	12	23	11	.....	.....
Financial, bankers, auditors, etc.....	1	11	3	.....	.....
Domestic, cooks, waiters, etc.....	49	72	9	2	.....
Trade workers, building.....	48	114	45	1	.....
“ “ textiles.....	4	6	2	.....	.....
Trade workers, metal-workers.....	48	58	19	1	1
“ “ leather	17	37	9	.....	1
Painters, decorators, gilders, etc.....	31	51	24	1	.....
Cabmen, hackmen, hostlers, etc.....	78	112	24	.....	.....
Farmers, gardeners, florists, etc.....	7	18	16	1	.....
Printers, engravers, etc.....	18	23	6	.....	.....
Woodworkers	10	27	11	.....	.....
Riggers, calkers, etc.....	1	11	9	1	.....
Stoneworkers.....	7	7	1	.....	.....
Pavers.....	.....	2	.....	.....	.....
Piano and organ-makers.....	1	5	2	.....	.....
Rope, twine, and nets	4	2	2	.....	.....
Confectioners.....	2	3	2	1	.....
Stencil-cutter .....	.....	1	.....	.....	.....
Bakers.....	3	12	3	.....	.....
Tailors.....	7	38	10	.....	1

TABLE

WARD

Male

Female ...

Married...

Single

Widows ..

Widowers

TABLE VII.—DEATHS, 1900: SEX, CONJUGAL CONDITION, NATIVITY (BY COUNTRIES), PARENTAGE (GENERAL), BY WARDS, DEATHS BY MONTHS, AND IN PUBLIC INSTITUTIONS BY MONTHS.

WARD	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	Non-Residents.	Unknown.	Total.		
SEX.																														
Male	194	221	143	132	155	405	219	264	266	164	166	202	284	215	186	178	285	263	267	213	169	212	166	187	113	460	255	5,984		
Female	189	188	140	132	148	324	157	227	289	165	176	220	293	175	172	186	301	268	238	257	212	204	165	187	123	324	226	5,686		
CONDITION.																														
Married	128	137	88	71	85	183	124	143	176	97	114	117	136	117	85	102	162	142	130	138	113	123	100	125	67	327	45	3,375		
Single	193	228	143	142	158	491	187	280	286	165	137	210	364	192	207	201	334	305	306	233	159	231	159	180	118	344	325	6,278		
Widows	42	28	32	33	42	36	42	44	65	48	64	63	53	50	40	43	63	55	47	80	74	53	49	46	39	59	64	1,354		
Widowers	20	15	19	16	16	15	19	19	23	15	25	25	24	29	26	18	26	28	22	19	32	8	23	23	12	46	23	586		
Divorced		1		1	2		2	1	2	4	2	6		2			1				2	1				4		31		
Unknown.....			1	1		4	2	4	3			1						1			1					4	24	46		
COLOR.																														
White	382	409	280	257	301	727	337	469	517	300	268	388	575	388	357	362	571	477	503	466	381	411	331	373	234	770	470	10,304		
Colored	1		3	7	2	1	16	21	37	28	72	34	2	1	1	2	15	54	1	4		5		1	2	12	9	331		
Chinese						1	23	1	1	2	1			1					1							2	2	35		
NATIVITY.																														
Boston	181	202	146	135	152	412	132	240	230	112	125	140	321	182	195	178	325	260	262	223	114	211	158	171	113	85	229	5,263		
United States other than Boston	70	39	35	50	64	35	73	71	104	113	137	154	23	50	38	71	59	101	60	115	135	65	56	100	55	444	66	2,383		
Ireland.....	43	78	72	56	60	76	91	76	113	43	33	58	88	107	86	62	123	92	115	68	47	58	54	51	42	102	86	2,080		
Great Britain: England, Scotland, Wales..	24	16	5	7	5	7	6	14	12	16	11	10	8	14	5	9	8	12	7	13	13	10	16	12	7	35	13	315		
Germany	3	7			3	4	4	2	10	7	1	42	7	9	4	6	15	8	31	6	3	38	18	3	3	4	2	201		
British-American Provinces.....	48	45	21	14	17	16	24	21	41	28	26	38	23	24	19	31	44	45	21	32	33	26	19	26	14	67	24	787		
Italy	2	5	2	1	1	126	4	11	5	3						1	1	1		1				2		4	1	171		
Russia	1	3				32	6	43	24				2	3	2	1	1	3	4	1		3			2		6		140	
Norway and Sweden.....	7	5	1			6	3	3	1	1	1	2	2	1	3	2	2	3	1	3		2	3	3	1	16	1	73		
Portugal	2	2			1																					1		6		
France.....						1		1		2	1	1			2		1	1	1		1		1				1	14		
China						1	23	1	1	1				1									1			2	1	32		
Syria							2		1																			3		
Austria	2					1		1	1									1	1				1					8		
Other foreign.....	2	2				7	3	3	4	1	5	4	2		2	2	3		4	4	3	5	3	3		8	1	71		
Unknown.....			1	1		5	5	4	8	2	2	10			3	1	2	3	2	4		1	1	1	1	10	56	123		
PARENTAGE.																														
Both Boston.....	33	18	20	16	20	15	15	9	20	7	17	17	30	20	30	38	41	25	29	25	26	21	18	19	10	10	9	558		
One Boston....	47	31	27	35	40	18	14	26	22	28	62	30	48	44	37	42	54	42	40	63	40	45	41	44	26	35	53	1,028		
American (other than Boston).....	65	36	32	51	73	19	43	54	98	94	145	123	21	56	48	76	70	94	43	135	128	64	85	116	55	256	41	2,121		
Total American	98	54	52	67	93	34	58	63	118	101	162	140	51	76	78	114	111	119	72	160	154	85	103	135	65	266	50	2,679		
Both foreign.....	209	303	189	149	163	626	255	349	352	143	104	173	466	246	218	188	385	301	350	208	153	274	190	180	124	343	171	6,812		
Father native, mother foreign.....	20	20	10	13	13	9	10	12	9	24	10	19	28	25	16	21	31	30	23	19	10	25	7	13	17	30	7	471		
Mother native, father foreign.....	28	18	16	20	13	18	5	13	15	19	11	11	18	21	21	16	29	15	23	36	18	15	17	19	5	36	13	489		
Father native, mother unknown.....	2				4	1	2	3	3	7	13	10	1	3	2	4	3	5	4	8	7	4		4	4	12	3	109		
Father foreign, mother unknown.....	3		2		1	5	6	3	9	4	2	8	4	2		3	3	5	8	3	2		5	3	6	16	2	105		
Father unknown, mother native.....	2	3	2	3	6	2	5	4	8	6	2	7		2	2	4	2	10	2	7	13	4	1	4	3	18	72	194		
Father unknown, mother foreign.....	2	1	1	1		3		5	2	1	2	9	1			1	5	10	8	2	3	2	1	2	2		62	126		
Both parents unknown	19	10	11	11	10	31	35	39	39	24	36	45	8	15	21	13	17	36	15	27	21	7	7	14	10	63	101	685		
DEATHS BY MONTHS.																														
January	36	46	23	23	26	63	42	32	42	24	33	42	46	38	22	23	53	49	48	38	35	33	24	38	18	73	33	1,009	203	
February	25	32	27	26	21	67	32	33	47	24	26	36	50	30	29	28	45	43	39	42	37	32	17	30	24	62	25	929	252	
March	39	46	30	37	36	81	37	62	78	59	56	63	69	53	59	43	62	56	49	52	53	44	38	45	32	76	79	1,434	366	
April	45	35	23	14	24	74	33	52	56	37	28	48	42	30	32	28	33	51	51	35	43	28	42	38	18	66	39	1,045	326	
May.....	28	32	29	18	23	91	31	42	54	23	26	19	36	26	31	28	43	45	39	27	31	29	22	37	22	74	38	944	298	
June.....	19	24	22	11	24	66	33	41	41	22	26	25	33	33	19	20	39	28	19	35	23	34	24	32	13	41	37	784	231	
July	36	36	22	21	27	53	43	30	39	20	20	41	61	36	35	25	5													

Deaths in
Public
Institutions.

DEATHS IN BOSTON IN 1900 — OCCUPATIONS, ETC. — *Concluded.*

	Single.	Married.	Widowed.	Divorced.	Unknown.
Blacksmiths.....	5	27	10	.....	.....
Paperhangers	2	3	.....	.....	.....
Cigar-makers.....	5	8	3	1	.....
Bookbinders.....	1	3	1	.....	.....
Box-makers	2	2	.....	.....	.....
Bottlers.....	3	2	.....	.....	.....
Upholsterers.....	6	2	1	.....	.....
Locksmiths.....	.....	2	.....	.....	.....
Brewers .....	.....	3	.....	.....	.....
Carriage-builders	1	2	1	.....	.....
Mill hands	8	2	.....	.....	.....
Chemical works .....	.....	1	.....	.....	.....
Jeweller.....	.....	1	.....	.....	.....
Maker of gas-meters .....	.....	1	.....	.....	.....
“ “ steam-gauges.....	1	.....	.....	.....	.....
“ “ umbrellas.....	.....	.....	1	.....	.....
“ “ chairs.....	1	.....	.....	.....	.....
Type-maker.....	1	.....	.....	.....	.....
Safe “ .....	.....	1	.....	.....	.....
Glassworker.....	.....	1	1	.....	.....
Brushmaker.....	1	.....	.....	.....	.....
Cap-cutter.....	.....	1	.....	.....	.....
Broom-maker.....	.....	.....	1	.....	.....
Fur-dresser.....	.....	1	.....	.....	.....
Laundry.....	.....	1	.....	.....	.....
Theatrical employees.....	.....	1	1	.....	.....
Instrument-makers.....	.....	2	.....	.....	.....
Rubber-workers	1	1	.....	.....	.....
Trunkmaker	1	.....	.....	.....	.....
Paper-makers.....	1	1	.....	.....	.....
Edge-setter .....	.....	1	.....	.....	.....
Picture-framer .....	.....	1	.....	.....	.....
Dyer.....	.....	.....	1	.....	.....
Watchmakers	1	1	.....	.....	.....
Wharf agent .....	.....	1	.....	.....	.....
Fishermen .....	.....	6	2	.....	.....

DEATHS IN BOSTON IN 1900 — OCCUPATIONS, ETC. — *Continued.*

	Single.	Married.	Widowed.	Divorced.	Unknown.
Inspectors	3	2	1	.....	.....
Sextons .....	.....	5	.....	.....	.....
Bellmen	2	.....	.....	.....	.....
Chinese laundry	10	19	.....	.....	.....
Hotel proprietors .....	.....	1	1	.....	.....
Awning-maker .....	.....	1	.....	.....	.....
Undertakers .....	.....	1	3	.....	.....
Telegraph operator	1	.....	.....	.....	.....
Bicycle repairers	1	1	.....	.....	.....
Horse trader	1	.....	.....	.....	.....
Caterer .....	.....	.....	1	.....	.....
Drawtenders	1	1	.....	.....	.....
Theatrical costumer. ....	.....	1	.....	.....	.....
Mining .....	.....	1	1	.....	.....
Lamplighter .....	.....	.....	1	.....	.....
Salvation Army	1	.....	.....	.....	.....
Watchmen, gatekeepers, etc.	13	12	1	.....	.....
Laborers	211	340	99	2	.....
At school	91	.....	.....	.....	.....
“ home	2,217	.....	.....	.....	.....
Retired	4	39	30	2	.....
None	29	39	30	1	.....
Unknown... ..	89	62	44	26	.....

DEATHS IN BOSTON, 1900 — OCCUPATIONS AND CONJUGAL
CONDITION OF FEMALE DECEDENTS.

	Single.	Married.	Widows.	Divorced.	Unknown.
Dealers, traders, etc.....	1	.....	.....	.....	.....
Mercantile employees.....	66	6	6	1	.....
Tradeworkers, Textiles.....	8	2	1	.....	.....
Leather.....	3	.....	.....	.....	.....
Needle workers.....	46	10	11	3	.....
Printing trades.....	2	.....	.....	.....	.....
Bookbinders.....	2	.....	.....	.....	.....
Boxmakers.....	3	.....	.....	.....	.....
Candymakers.....	6	.....	.....	.....	.....
Brushmakers.....	2	.....	.....	.....	.....
Cigarmakers.....	.....	.....	1	.....	.....
Hatmakers.....	.....	.....	1	.....	.....
Rivet sorter.....	1	.....	.....	.....	.....
Nailpointer.....	1	.....	.....	.....	.....
Straw operator.....	1	.....	.....	.....	.....
Milliner.....	1	.....	.....	.....	.....
Domestic service, including housewives.....	274	857	518	1	2
At home.....	1,923	106	179	2	.....
At school.....	108	.....	.....	.....	.....
Fortune teller.....	.....	.....	1	.....	.....
News agent.....	.....	.....	.....	1	.....
In religious institutions.....	5	.....	.....	.....	.....
Government employees.....	1	.....	.....	.....	.....
Telephone operator.....	1	.....	.....	.....	.....
Professional.....	32	9	11	1	.....
None.....	81	39	105	3	4
Unknown.....	228	478	524	4	3

MARRIAGES IN BOSTON IN 1900. (TABLE VIII.)

There were 6,049 marriages recorded as having taken place in Boston in 1900. In 5,838 both contracting parties were white; in 176 both parties were colored; in 32 the groom was colored and the bride white, and in 3 the groom was white and the bride colored.

Seasons. — The greatest number of marriages in any one month was 731, in October; the least number was 276, in March. The largest number of marriages for any quarter-year period was 1,835, in the last three months of the year; the least number for the same period of time was 1,284, in the first three months of the year.

Marriages by Religious and Civil Officials. — There were 4,888 marriages performed by clergymen of various denominations and rabbis, and 1,161 by justices of the peace.

The population of the City according to the United States Census of 1900 was 560,892; the number of persons married in Boston who were residents was 10,507, or 1 in every 53.38 of the population. The marriage rate was 18.73 per 1,000 of population.*

Residents and Non-residents.

The number of persons married in Boston was 12,098; of these 10,507 were residents, or 86.84 per cent. of the whole number.

The non-residents married in Boston were 1,591 in number.

In 4,845 cases both parties were residents of Boston.

In 365 cases both parties were residents in the United States outside of Boston.

In 246 cases the grooms were residents of Boston, and the brides were residents of the United States outside of Boston.

In 552 cases grooms resident in the United States outside of Boston were married to brides resident in Boston.

In 6 cases Boston grooms had foreign brides.

Thirteen foreign grooms married residents of Boston.

Nine American (outside of Boston) grooms married foreign residents, and 4 foreign grooms married brides living in the United States outside of Boston.

MARRIAGES: AGES OF GROOMS AND BRIDES. (TABLE IX.)

In 2,261 marriages, or 37.37 per cent. of all, the bride and groom were in the same division of age.

The number of grooms marrying between the ages of 20 and 25 years form 27.21 per cent. of the whole number of grooms; between 25 and 30 years, 34.63 per cent., and between the ages

* Based on residents of Boston only.

of 30 and 35 years, 18.35 per cent. ; so that 62 per cent. of the whole number of grooms were married at 30 years of age or less, and 80.65 per cent. were married before reaching the age of 35 years. The number of grooms who were minors was 28, or 0.46 per cent.

TABLE VIII. — MARRIAGES BY MONTHS AND QUARTERLY PERIODS. — COLOR OF GROOM AND BRIDE, AND DIVISION OF RELIGIOUS AND CIVIL MARRIAGES.

[Total Marriages, 6,049.]

	MARRIAGES.	WHITE.			COLORED.			COLORED GROOM, WHITE BRIDE.		WHITE GROOM, COLORED BRIDE.		Total Mixed.
		Clergyman.*	Justice of the Peace.	Total.	Clergyman.	Justice of the Peace.	Total.	Clergyman.	Justice of the Peace.	Clergyman.	Justice of the Peace.	
January	523 } 485 } 276 }	{ 427 381 170	77 92 92	504	13 10 6	2 1 6	15	2 1 1	2 1	..... ..... .....	..... ..... .....	4 1 2
February				473			11					
March				262			12					
April	538 } 331 } 711 }	{ 440 235 599	85 87 90	525† 322 689	9 3 12	2 3 6	11 6 18	 3 2§	1 2	1† ..... .....	..... ..... .....	2 3 4
May												
June												
July	431 } 426 } 493 }	{ 315 314 389	104 96 87	419 410 476	7 7 12	4 4 4	11 11 16	 2	1 2 1	 1 .....	..... ..... .....	1 5 1
August												
September												
October	731 } 688 } 416 }	{ 591 577 298	108 90 94	699 667 392	22 14 15	5 5 4	27 19 19	4 1 4	 1 1†	..... ..... .....	1|| ..... .....	5 2 5
November												
December												
	6,049	4,736	1,102	5,838	130	46	176	20	12	2	1	35

* Clergyman includes all marriages not performed by civil officials, as those by ministers, priests, rabbis, etc., except the instance noted below.
† 1 marriage by clerk of Boston Monthly Meeting of Friends.
‡ 1 marriage of white man and mulatto woman.
|| 1 marriage of white man and creole woman.

TABLE IX. — MARRIAGES: AGES OF GROOMS AND BRIDES.

GROOMS.	BRIDES.														Whole number of Grooms.	Percentage of Grooms.				
	15.	16.	17.	18 and 20.	20 and 25.	25 and 30.	30 and 35.	35 and 40.	40 and 45.	45 and 50.	50 and 55.	55 and 60.	60 and 65.	65 and 70.			70 and 75.	75 and 80.	80 and 85.	85 and 90.	90 and 95.
Under 20 years.....	.....	3	3	15	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Between 20 and 25....	3	16	40	330	1,058	175	21	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 and 30....	3	5	21	150	1,020	765	101	27	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30 and 35....	.....	2	7	32	329	435	230	62	11	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
35 and 40....	.....	.....	.....	6	88	185	124	112	27	8	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
40 and 45....	.....	.....	1	3	28	48	66	72	37	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
45 and 50....	.....	.....	1	1	8	21	34	34	25	21	6	1	.....	.....	.....	.....	.....	.....	.....	.....
50 and 55....	.....	.....	.....	1	2	7	9	15	27	17	6	3	.....	.....	.....	.....	.....	.....	.....	.....
55 and 60....	.....	.....	.....	.....	3	3	4	8	11	7	7	8	1	2	.....	1	.....	.....	.....	.....
60 and 65....	.....	.....	.....	.....	.....	2	1	6	5	6	3	4	1	1	.....	.....	.....	.....	.....	.....
65 and 70....	.....	.....	.....	.....	2	.....	2	2	1	2	4	2	6	1	.....	.....	.....	.....	.....	.....
70 and 75....	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....
75 and 80....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
80 and 85....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85 and 90....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
90 and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whole No. of brides...	6	26	73	538	2,545	1,641	593	341	151	70	30	19	10	4	1	1	.....	.....	.....	6,049
Percentage of brides..	0.09	0.43	1.20	8.89	42.07	27.12	9.80	5.63	2.49	1.15	0.49	0.31	0.16	0.06	0.015	0.015	.....	.....	.....	.....

The number of brides marrying between the ages of 20 and 25 years was 42.07 per cent. of the whole number of brides; between 25 and 30 years, 27.12 per cent., and between 30 and 35 years, 9.80 per cent.; the brides of 20 years and under were 10.61 per cent.; so that 52.68 per cent. of all the brides were married before reaching the age of 25 years, and 79.80 per cent. were married before reaching the age of 30 years, and 89.60 per cent. before reaching the age of 35 years. The number of brides who were minors was 105, or 1.72 per cent.

MARRIAGES: NATIVITIES OF BOTH PARTIES. (TABLE X.)

By this table it is shown that 593 grooms who were born in Boston married natives of Boston. The total of Boston-born grooms was 1,120, and the birthplaces of their brides other than those native-born were as follows: United States, exclusive of Boston-born, 263; British American Provinces, 116; Ireland, 90; Italy, 1; Russia, 3; Great Britain, 38; Norway and Sweden, 6; Germany, 5; France, 1; and 4 under the head of "All other countries," as follows: Denmark, 2 and Azores Islands and Holland, 1 each.

The grooms born in the United States (exclusive of Boston-born grooms) who married natives of Boston were 478, and those who married American-born women (exclusive of Boston) were 920; the nativity of foreign-born brides of American grooms was as follows: British American Provinces, 280; Ireland, 109; Italy, 3; Russia, 7; Great Britain, 78; Norway and Sweden, 19; Germany, 8; France, 2; China, 1; all other countries, 11—this class was divided as follows: Denmark, 3; Switzerland and West Indies, 2 each; Spain, Mexico, Holland and Greece, 1 each.

American Brides and Foreign Grooms.

Of the 676 American-born brides who married foreigners, 281 married grooms born in the British American Provinces; 109 married natives of Ireland, 53 natives of Italy, 28 natives of Russia, 103 natives of Great Britain, 15 natives of Norway and Sweden, 34 natives of Germany, 5 of France, 3 of Austria, 2 of Portugal, 1 of China, and 42 of all other countries.

There were in all 3,036 grooms of American birth, or 50.19 per cent.; there were 2,930 brides of American birth, or 48.43 per cent.

The number of American grooms who married American brides was 2,254, or 37.21 per cent.

Marriages between Natives of the Same Country (other than American).

Of the 806 grooms born in the British American Provinces 438 married brides of the same nativity, or 54.34 per cent.

Of 706 Irish-born grooms 489 married brides born in Ireland, or 69.26 per cent.

The Italian-born grooms who married brides of the same nationality were 301 out of a total of 386, or 77.97 per cent.

The grooms born in Russia numbered 362, and 300 of these married Russian-born women, or 82.87 per cent.

There were 269 grooms born in Great Britain, and of these 69, or 25.65 per cent., married brides of the same nativity.

TABLE X.—NATIVITY OF GROOMS AND BRIDES (RELATIVE).

GROOMS.	BRIDES.															
	Boston.	United States, except Boston.	British American Provinces.	Ireland.	Italy.	Russia.	Great Britain.	Norway and Sweden.	Germany.	France.	Austria.	Syria.	Portugal.	China.	All other Countries.	Total Grooms.
Boston	593	263	116	90	1	3	38	6	5	1	.....	.....	.....	.....	4	1,120
United States, except Boston.....	478	920	280	109	3	7	78	19	8	2	.....	.....	.....	1	11	1,196
British American Provinces.....	133	148	438	57	.....	1	20	1	4	3	.....	.....	.....	.....	1	806
Ireland	67	42	40	489	53	1	13	.....	.....	.....	.....	.....	.....	.....	1	706
Italy	36	17	9	9	301	1	5	.....	2	2	.....	.....	1	.....	3	386
Russia	13	15	2	4	.....	300	6	2	9	.....	7	.....	.....	.....	4	362
Great Britain	44	59	49	37	.....	1	69	5	1	1	1	.....	2	.....	.....	269
Norway and Sweden	5	10	4	4	.....	.....	4	122	.....	1	.....	.....	.....	.....	4	154
Germany	22	12	12	16	.....	4	2	4	52	.....	1	.....	.....	.....	6	131
France	2	3	1	2	.....	.....	.....	.....	2	6	.....	.....	.....	.....	1	17
Austria	1	2	.....	.....	.....	9	1	.....	3	.....	8	.....	.....	.....	2	26
Syria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	.....	.....	.....	8
Portugal....	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	1	5
China	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
All other countries.....	17	25	14	9	.....	1	2	6	6	3	2	.....	.....	.....	56	141
Total brides.....	1,413	1,517	966	826	358	328	239	165	92	19	19	8	4	1	94	6,049

The grooms born in Sweden and Norway were 154 in number, and 122 were married to brides of the same nationality, or 79.22 per cent.

There were 131 grooms of German birth, and the brides of 52 were of the same birth, or 39.69 per cent.

France was represented by 17 grooms, of whom 6 married natives of the same country.

Austrian grooms numbered 26, of whom 8 were married to Austrian brides.

There were 8 grooms born in Syria, and all were married to brides of the same country.

There were 5 Portuguese grooms, and but 1 was married to a woman of his country.

Two Chinese grooms were married, one to a native of Boston, and one had a bride from the British American Provinces.

Among the marriages of parties of the same nationality that are classed with the "all other countries" are the following:

Nativity.	Number of Marriages.	Nativity.	Number of Marriages.
Azores and Western Islands . . .	6	Turkey . . .	5
Switzerland . . .	1	Denmark . . .	8
		Belgium . . .	1

and 1 marriage between a native of Greece and a native of Turkey.

NUMBER OF MARRIAGE. (TABLE XI.)

There were 5,243 grooms and 5,404 brides married for the first time; it was the second marriage for 589 grooms and 433 brides, both parties being widowed; it was the third marriage of 46 widowed grooms and 26 widowed brides, and 1 groom (widower) was married for the fourth time. There were 13 grooms and 8 brides married for the second time, without statement on the return as to whether they were widowed or divorced.

Marriages of Divorced Persons.

There were 148 divorced grooms and 158 divorced brides married for the second time, 8 divorced grooms and 11 divorced brides married for the third time, and 1 divorced groom and 1 divorced bride married for the fourth time; a total of 157 divorced grooms and 170 divorced brides, or 327 divorced persons married in Boston in 1900.

Of the 5,243 grooms married for the first time the brides of 4,884 were also married for the first time; 254 married widows who were being married the second time; 7 married widows whose third marriage it was; 86 married divorced brides who were being married the second time; and 6 married divorced brides whose third marriage it was.

Of the 589 widowed grooms marrying for the second time 388 of the brides married for the first time; 148 were widows marrying for the second time; 12 were widows marrying for the third time; and 40 were divorced and marrying for the second time.

Of the 46 widowed grooms marrying for the third time the brides of 26 married for the first time; of 14 the brides were widows marrying for the second time; of 4 the brides were widows marrying for the third time, and of 2 the brides were divorced and marrying for the second time.

The widowed groom marrying for the fourth time took a bride whose first marriage it was.

Of the 148 divorced grooms marrying for the second time the brides of 95 were marrying for the first time; 16 were widows and married for the second time; 3 were widows married for the third time; 1 was a widow married for the fourth time; 28 were divorced and married for the second time; 4 were divorced and married for the third time, and 1 was divorced and married for the fourth time.

Of the 8 divorced grooms marrying for the third time 5 brides married for the first time; 2 brides were divorced and married for the second time, and 1 bride was divorced and married for the third time.

The divorced groom marrying for the fourth time took a widow marrying for the second time.

In 4,884 cases, or 80.74 per cent. of all, it was the first marriage of both parties; the grooms marrying for the first time were 5,243, or 86.67 per cent. of all, and the brides 5,404, or 89.33 per cent. of all. In 173 cases, or 2.86 per cent. of all, it was the second marriage of both parties.

Marriage of Divorced Persons — Percentage.

The divorced persons of both sexes married in 1900 numbered 327, or 2.70 per cent. of all. There were 36 cases of marriage where both parties had been divorced; 157 cases where the groom had been divorced, and 170 cases where the bride had been divorced, including the 36 cases previously quoted; there were in all 291 cases where one or both parties had been divorced, or 2.40 per cent. of all.

Number of Marriage of Colored Men and White Women.

There were 30 cases of marriage between colored men and white women.

In 25 cases the grooms were marrying for the first time, and of their brides it was the first marriage of 21, the second marriage of 3 widows, and the third marriage of one divorced bride.

In the 5 remaining cases the grooms were widowers marrying for the second time, and their brides were 3 marrying for the first time, and 2 widows marrying for the second time.

One Japanese married a white woman, and it was the first marriage of both parties.

One Chinese married a white woman, and it was the first marriage of both parties.

The former marriage was performed by a clergyman, the latter by a justice of the peace.

TABLE XI.—NUMBER OF MARRIAGE.

GROOM.		BRIDE.								Total.
		First.	Second.*	Second Widow.	Third Widow.	Fourth Widow.	Second Divorced.	Third Divorced.	Fourth Divorced.	
First	5,243	4,884	6	254	7	....	86	6	....	5,243
*Second.....	13	5	8	.....	.....	.....	.....	.....	.....	13
Second widowed.....	589	388	1	148	12	....	40	.....	.....	589
Third widowed.....	46	26	.....	14	4	....	2	.....	.....	46
Fourth widowed.....	1	1	.....	.....	.....	.....	.....	.....	.....	1
Second divorced.....	148	95	.....	16	3	1	28	4	1	148
Third divorced.....	8	5	.....	.....	.....	.....	2	1	....	8
Fourth divorced.....	1	.....	.....	1	.....	.....	.....	.....	.....	1
Total.....	6,049	5,404	15	433	26	1	158	11	1	6,049

* On these returns the statement as to whether widowed, widow, or divorced, was omitted.

THE LIST OF OCCUPATIONS OF GROOMS OF 1900.

Merchants : Dealers, traders and manufacturers (employers and heads of business)	379
Mercantile employees : Clerks, bookkeepers, salesmen, etc.	1,094
Bankers : Bank clerks, auditors, etc. (financial business) .	24
Brokers : Real estate, insurance, business, etc.	52
Railroad employees (steam and electric)	279
Electrical business : Supplies and mechanical work, etc. .	83
Professional : Law, religion, medicine, arts and sciences, teachers, instructors, musicians etc.	351
Government employees : National, State, and Municipal, Army and Navy, clerks, policemen firemen, etc.	107
Marine employments : Sailors, sea captains, mates, pilots, etc.	69
Steam engineering (exclusive of railroad and marine) : Engineers, fireman, etc.	97
Domestic service : Cooks, stewards, waiters, etc.	441
Trade workers, mechanics : Building trades	437

Textile trades	188
Metal workers	328
Leather workers	146
Wood working trades	53
Painters, decorators, etc.	133
Printing, engraving	105
Teaming and driving	333
Farming, gardening, florists, etc.	104
Barbers	89
Bakers	59
Stone and marble workers	45
Cigar makers	39
Candy makers	15
Ship building and allied trades	25
Piano and organ building	18
Coopers	13
Upholsterers	13
Rubber workers	12
Paper making	11
Brush makers	10
Theatrical employees	7
Pavers	4
Mill and factory operatives (business not designated),	16
Laborers	660
Contractors (business not specified)	16
Mining	5
Telegraph and telephone business	23
Watchmen, gate-keepers, yard inspectors	54

The following occupations could not be readily classified with the foregoing, and as there were but few of each and in many cases but one of each, they have been grouped as follows: watchmakers 9, boxmakers 6, brewers 6, hatters 4, rope makers 3, furriers 3, bicycle makers and repairers 3, butter makers 2, awning makers 2, button makers 2, pipe makers 2, glass bevellers 3, and one each of the following: cutler, die sinker, gold beater, broom maker, dye maker, syrup mixer, billiard keeper, milliner, gold worker, mathematical instrument maker, belt maker, surgical instrument maker, commission driver, instrument maker.

There were 10 grooms reported as having no occupation and 12 as having "retired."

THE LIST OF OCCUPATIONS OF BRIDES OF 1900.

Domestic	2,264
Mercantile and commercial	535
Professional	202
Merchants	5
Trade workers (operatives):	
Textiles	61

Leather	43
Needle workers	749
Newspaper workers	31
Telegraph and telephone	18
Rubber workers	16
Machine operators (?)	28
Boxmakers and bookbinders	44
Candy workers	58
Cigar makers and packers	19
Brushmakers	15
Metal workers	7

Of trades or occupations with less than 10 individuals in the classification there are the following: net makers 8, paper workers 4, clothing inspectors 3, jewelry workers 4, masseur and medical gymnast 3, button makers 4, hairdressers 2, electrical workers 2, manicure 2, hospital attendants 2; and 1 each of the following: silk gasser, rope spinner, letter maker, clairvoyant, sail maker, cork maker, dye stamper, designer, manufacturer, beamer, retoucher, table finisher, glass worker, calendar maker, Salvation Army officer, midwife, dial painter, china decorator, whalebone stripper, ball winder, baker, piano action maker, real estate owner, piano broker.

Those with no occupation or given as "at home" were 1,904.

OUT OF TOWN MARRIAGES RECORDED IN BOSTON
IN 1900.

There were 1,010 marriages recorded in this office in the year 1900 that took place elsewhere than in Boston. In all but four of these marriages one or both parties were residents of Boston; in 274 cases, or 27.12 per cent., both parties were residents of Boston; in 886 cases the grooms were Boston residents, or 87.72 per cent.; in 394 cases, or 39.01 per cent., the brides were residents of Boston.

TABLE XII.—OUT OF TOWN MARRIAGES RECORDED IN BOSTON, 1900.

By months, color, and whether religious or civil.

	WHITE.		COLORED.		COLORED AND WHITE.		WHITE AND COLORED.		ALL OTHERS.		
	Clergyman.	Justice of the Peace.	Clergyman.	Justice of the Peace.	Clergyman.	Justice of the Peace.	Clergyman.	Justice of the Peace.	Clergyman.	Justice of the Peace.	
January	74	1	1	.....	.....	.....	.....	.....	.....	.....	76
February.....	63	4	1	.....	.....	.....	.....	.....	.....	.....	68
March	21	1	.....	.....	.....	.....	.....	.....	.....	.....	22
April	92	1	1	.....	.....	.....	.....	.....	.....	.....	94
May	47	2	2	.....	.....	.....	.....	.....	.....	.....	51
June.....	144	3	4	.....	.....	.....	.....	.....	.....	.....	151
July	62	2	1	.....	.....	.....	.....	.....	.....	.....	65
August	62	2	1	.....	.....	.....	.....	.....	*1	.....	66
September....	108	2	1	.....	1	.....	.....	.....	.....	.....	112
October.....	120	2	3	.....	1	.....	1	.....	.....	.....	127
November	102	4	1	.....	.....	.....	.....	.....	.....	.....	107
December	61	6	4	.....	.....	.....	.....	.....	.....	.....	71
Total, 1,010	956	30	20	.....	2	.....	1	.....	1	.....	1,010

* Chinese groom and white bride.

Months and Seasons.—The greatest number of these marriages in any month was 151, in June; and the least number in any month was 22, in March; the greatest number for any quarter-year period was 305, in the last quarter of the year, and

the least number for any quarter-year period was 166, in the first quarter of the year.

Color. — In 986 cases both parties were white; in 20 cases both parties were colored, and of the remaining 4 cases there were 2 of colored men with white women, 1 white man and a colored woman, and a Chinese with a white woman.

By Clergymen and Civil Officials.

Of the marriages of white persons, 956 were performed by clergymen, and 30 by justices of the peace. All others were performed by clergymen.

TABLE XIII.—OUT OF TOWN MARRIAGES RECORDED IN BOSTON, 1900.

By Months and Residence (General).

	Both Boston.	Both American.	Both Foreign.	Boston and American.	American and Boston.	Boston and Foreign.	Total.
January.....	24	.....	.....	44	8	.....	76
February.....	22	.... .	.....	39	7	.....	68
March.....	7	.....	.....	14	1	.....	22
April.....	20	1	.....	62	11	.....	94
May.....	18	.....	.....	26	7	.....	51
June.....	36	.....	1	97	16	1	151
July.....	23	1	.....	30	11	.....	65
August.....	19	.....	.....	*37	9	1	66
September.....	27	1	.....	†72	12	.....	112
October.....	†32	.....	.....	†79	16	.....	127
November.....	25	.....	.....	72	9	1	107
December.....	21	.....	.....	37	13	.....	71
	274	3	1	609	120	3	1,010

* Chinese and white. † Colored and white. ‡ White and colored

Included in these marriages are the marriages of colored people as follows: Both Boston, 9; Boston and American, 9; American and Boston, 2.

Ages of Grooms and Brides (Relative). (TABLE XIV.)

The greatest number of grooms of any age period was 382 between the ages of 25 and 30 years; this is 37.82 per cent. of the whole number of grooms. The greatest number of brides of any age period was 381 of the same age period, and approximately the same percentage of the whole number of brides as the

grooms of the same age period. The table shows the relative ages of the brides and grooms.

The number of grooms marrying at 25 years or less was 205 or 20.30 per cent., at 30 years or less was 587 or 58.11 per cent., at 35 years or less 798 or 79.01 per cent. The number of brides marrying under 20 years of age was 60 or 5.94 per cent., at 25 years or less, 441 or 43.66 per cent.; at 30 years of age or less was 761 or 75.34 per cent., at 35 years of age or less was 899 or 89.01 per cent.

The number of marriages where both parties were in the same division of age was 409 or 40.49 per cent.

TABLE XIV.—OUT OF TOWN MARRIAGES RECORDED IN BOSTON, 1900.

Ages of Grooms and Brides (Relative).

GROOMS.		BRIDES.									
		Under 20 yrs.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	
Under 20 yrs....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	2
20 to 25.....	203	28	143	28	4	.....	.....	.....	.....	.....	203
25 to 30..	382	27	159	164	27	5	.....	.....	.....	.....	382
30 to 35.....	211	3	53	76	63	13	2	1	.....	.....	211
35 to 40	86	.....	11	32	21	18	4	.....	.....	.....	86
40 to 45.....	64	.....	10	15	13	11	12	1	2	.....	64
45 to 50.....	22	.....	1	3	4	4	3	5	1	1	22
50 to 55.....	14	.....	3	1	2	2	3	2	1	.....	14
55 to 60.....	11	.....	.....	1	2	2	1	2	2	1	11
60 to 65.....	10	.....	1	.....	1	.....	3	1	3	1	10
65 to 70	5	.....	.....	.....	1	.....	.....	1	1	2	5
	1,010	60	381	320	138	55	28	13	10	5	1,010

The greatest number of marriages of any age period where both parties were in the same division of age was 164 in the period of 25 to 30 years.

The number of grooms who married brides older than themselves was 89.

Number of Marriages. (TABLE XV.)

Of the 1,010 out of town marriages, 802 cases were of both parties marrying for the first time, or 79.40 per cent., 140 grooms married the second time or 13.86 per cent. and 8 grooms married the third time or .79 per cent.

There were 98 brides marrying for the second time, or 9.70 per cent. and 4 marrying the third time or 39 per cent.

There were 60 grooms marrying for the first time whose brides had been previously married as follows: 1 second, 33 widows and 25 divorced, all of whom were marrying the second time, and 1 divorced whose third marriage it was.

The brides of the 109 widowed grooms marrying for the second time were 79 who were married for the first time, 17 widows marrying the second time, 1 widow marrying the third time, and 12 who were divorced and marrying the second time.

The brides of the 7 widowed grooms marrying for the third time were 5 whose first marriage it was, and 2 widows whose third marriage it was.

TABLE XV.—OUT OF TOWN MARRIAGES RECORDED IN BOSTON, 1900.

Number of Marriage (Relative).

GROOMS.		BRIDES.							
		First.	Second*	Second Widow.	Third Widow.	Fourth Widow.	Second Divorce.	Third Divorce.	
First.....	862	802	1	33	.....	.....	25	1	862
Second*.....	1	1	.....	.....	.....	.....	.....	.....	1
Second widowed.....	109	79	.....	17	1	.....	12	.....	109
Third “	7	5	.....	.....	2	.....	.....	.....	7
Fourth “									
Second divorce.....	30	21	.....	6	.....	.....	3	.....	30
Third “	1	.....	.....	.....	.....	.....	1	.....	1
	1,010	908	1	56	3	.....	41	1	1,010

* Not stated whether widowed or divorced.

The brides of the 30 divorced grooms marrying for the second time were 21 whose first marriage it was, 6 widows marrying for the second time, and 3 divorced brides marrying for the second time. The divorced groom marrying the third time had a bride who was divorced and marrying the second time.

Of the brides marrying for the first time, 79 married widowed grooms whose second marriage it was, 5 married widowed grooms whose third marriage it was, and 21 were the brides of divorced grooms marrying for the second time.

Of the 56 widows marrying the second time the grooms were 33 marrying the first time, 17 widowers marrying the second time and 6 divorced grooms marrying the second time.

There were 3 widows married for the third time and their grooms were 1 widower marrying the second time and 2 widowers marrying the third time.

There were 41 divorced brides marrying for the second time whose grooms were as follows: 25 marrying the first time, 12 widowers marrying the second time, 3 divorced marrying the second time, and 1 divorced marrying the third time.

The divorced bride marrying for the third time married a groom whose first marriage it was.

Nativity of Grooms and Brides. (TABLE XVI.)

Of the grooms in these out of town marriages 216 were born in Boston, or 21.38 per cent., and 463 were born in the United States, outside of Boston, or 45.84 per cent.

The grooms born in Ireland were 99, or 9.80 per cent.

The grooms born in British American Provinces were 124 or 12.27 per cent.

The grooms born in Great Britain were 36 or 3.56 per cent.

The grooms born in Norway and Sweden were 33 or 3.26 per cent.

Of the brides, 162 were born in Boston or 16.04 per cent., and 496 were born in the United States outside of Boston or 49.1 per cent.

The brides born in Ireland were 105 or 10.39 per cent.

The brides born in British American Provinces were 159 or 15.74 per cent.

The brides born in Great Britain were 25 or 2.47 per cent.

The brides born in Norway and Sweden were 24 or 2.37 per cent.

The whole number of grooms of American birth was 679 or 67.22 per cent.; the whole number of American brides was 658 or 65.14 per cent. The number of marriages where both parties were natives of Boston was 54 or 5.34 per cent.

The number of marriages where both parties were American was 552 or 54.65 per cent.

The number of American grooms who married foreign born brides was 127 or 12.57 per cent.; the number of American brides who married foreign born grooms was 106 or 10.49 per cent.

TABLE XVI.—OUT OF TOWN MARRIAGES RECORDED IN BOSTON, 1900. BIRTHPLACES OF GROOMS AND BRIDES (RELATIVE).

GROOMS.	BRIDES.															
	Boston.	United States, out- side of Boston.	Ireland.	Germany.	France.	Italy.	Norway and Sweden.	Russia.	China.	British American Provinces.	Great Britain.	Portugal.	Austria.	Other foreign countries.	Unknown.	Total Grooms.
Boston	216	54	123	8	2	1	.....	2	.....	22	3	1	.....	.....	.....	216
United States, outside of Boston	463	78	297	9	1	.....	1	.....	.....	59	14	.....	1	2	1	463
Ireland.....	99	5	10	77	1	.....	.....	.....	.....	5	1	.....	.....	.....	.....	99
Germany	5	1	2	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	5
France	3	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	3
Italy	4	.....	2	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	4
Norway and Sweden	33	3	1	.....	.....	.....	23	2	.....	4	.....	.....	.....	.....	.....	33
Russia	13	1	.....	.....	1	.....	.....	9	.....	1	.....	.....	1	.....	.....	13
China	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
British American Provinces	124	16	43	5	2	.....	.....	.....	.....	56	2	.....	.....	.....	.....	124
Great Britain.	36	3	15	6	1	.....	.....	.....	.....	6	4	.....	.....	1	.....	36
Portugal	4	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3	.....	.....	.....	4
Austria	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other foreign countries.....	8	.....	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	5	.....	8
Total brides.....	1,010	162	496	105	9	1	1	24	13	159	25	4	2	8	1	1,010

OUT OF TOWN MARRIAGES.

Occupation of Grooms.

Merchants, traders, etc.	74
Mercantile employees	261
Railroad employees (steam and electric)	55
Marine employments	6
Steam engineering	12
Electrical business (construction and supplies)	16
Brokers, real estate, insurance, etc.	36
Financial business	6
Professional	118
Government officials and employees	19
Domestic employments	27
Trade workers :	
Building trades	63
Metal workers	52
Painters	28
Leather workers	12
Printers, engravers, etc.	17
Woodworkers	13
Riggers, calkers, etc.	4
Tailors, cutters, etc.	6
Blacksmiths	11
Stonecutters, bookbinders, and cigar makers, each	5
Bakers	4
Gardeners and upholsterers, each	3
Rubber workers, laundrymen, bottlers, and box makers, each	2
Piano and organ builders	2
Telephone operators	3
Watchmen, gatekeepers, etc.	6
Cabmen, teamsters, etc.	52
Laborers	44
Retired	7
Unknown	2

and 1 each of the following trades or occupations: Pile-driver, chemical engineer, lobsterman, woolcomber, hotel-keeper, oil-dresser, chronometer maker, lead glazier, basket maker, gauger, watchmaker, loom repairer, map mounter, glove maker, Turkish baths, dyer, carriage builder, entertainer, inspector, paperhanger, publisher, and treasurer of amusement company.

Occupations of Brides.

At home	501
Mercantile employments	93
Professional	49
Domestic	214

Trade workers :

Textiles	19
Leather	7
Needle workers	82
Compositors, pressfeeders, etc.	10
Rubber workers	4
Watch and jewelry makers	4
Goldbeaters and layers	3
Box makers	2
Bookbinders	2
Telephone and telegraph	7

and 1 each of the following trades or occupations: Operator, net weaver, knitter, attendant, massage, brush maker, photo retoucher, mica worker, electric fixture wiring.

Place of Marriage.

The out of town marriages recorded by this Department were distributed by States, as follows :

In Massachusetts	850	In Alabama	1
Rhode Island	79	Florida	1
Maine	38	Illinois	1
New Hampshire	16	Indiana	1
New York	6	Maryland	2
Connecticut	5	Minnesota	1
Vermont	4	North Carolina	1
New Jersey	2	Dist. of Columbia	1

and 1 in Canada.

The 850 marriages in Massachusetts were divided among 134 cities and towns. The marriages in the cities and towns generally considered as comprising the "Greater Boston" district, were as follows: Cambridge, 117; Somerville, 91; Brookline, 73; Chelsea, 52; Everett, 27; Medford, 17; Newton, 40; Quincy, 18; Malden, 35; Revere, 16.

BIRTHS IN BOSTON IN 1900. (TABLE XVII.)

There were 16,351 births in Boston in 1900 registered at this office: 8,376 males and 7,975 females. These may be classified generally as regards residence of parents, as follows: Parents residing in Boston, ward known, 15,575; males, 7,970, females, 7,605; ward unknown, 22; males, 15, females, 7; born in Boston of non-resident parents, 348: males, 183, females, 165; parents, residence unknown, 406: males, 208, females, 198; there were 671 stillbirths, which are not included in above total.

The birth-rate for 1900 was 29.15 per thousand of population, or 1 in every 34.29.

The births for 1900, as registered, are 85 in excess of those of 1899, or 0.52 per cent.; the years 1898-99 have a consecutive decrease from the birth rate of 1897.

The excess of male births over the number recorded for 1899 was 52; of female births, 33.

The greatest number of births in any district of Boston was 1,386, in Ward 6; the least number in any district was 238, in Ward 11; the male births were in excess in all wards except 3, 5, 12, 17, and 20.

The greatest number of births (parents residing in Boston) for any month was 1,407, in August; the least number for same time was 1,108, in April; the greatest number of male births for any month was 727, in March; the least number of male births for any month was 553, in April; the greatest number of female births for any month was 709, in August; the least number of females born in any month was 555, in April.

The greatest number of births for any season, or quarter-year period, was in the fourth quarter, October, November, and December with a record of 3,992, or 2,055 males and 1,937 females; the least number for the same time was 3,663, or 1,809 males and 1,854 females, in the second quarter, April, May, and June; the greatest number of male births in any quarter was 2,087, in July, August, and September; the least number in any quarter was 1,809, in April, May, and June; the greatest number of female births in a season was 1,937, in October, November, and December; the least number of female births in any quarter was 1,854, in April, May, and June.

The greatest number of births in any quarter year in any ward was 394, in the first quarter, January, February, and March, in Ward 6; the least number of births in any quarter year was 53, in Ward 11, in the same quarter-year. The greatest number of male births, quarterly, was in Ward 6, 199 in the first quarter of

TABLE XVII.—BIRTHS IN BOSTON BY WARDS FOR EACH MONTH, AND IN QUARTER-YEAR PERIODS.

[Births registered in Boston in 1900, 16,351—males, 8,376; females, 7,975.]

WARD.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1st Quarter, January, February, March.		2d Quarter, April, May, June.		3d Quarter, July, August, September.		4th Quarter, October, November, December.		Total.		Total, both Sexes.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
1.....	29	35	30	34	27	23	23	28	27	27	34	30	40	22	26	32	24	25	37	33	25	27	29	31	86	92	84	85	90	79	91	91	351	347	698
2.....	32	37	29	13	38	39	31	22	29	32	25	29	34	30	30	26	35	34	41	27	27	31	35	39	99	89	85	83	99	90	103	97	386	359	745
3.....	16	18	20	13	16	13	14	16	12	11	14	11	25	20	18	21	18	13	17	17	11	20	14	24	52	44	40	38	61	54	42	61	195	197	392
4.....	12	16	7	16	24	14	10	7	14	23	16	16	14	15	17	13	14	10	15	15	17	10	12	14	43	46	40	46	45	38	44	39	172	169	341
5.....	12	12	14	10	14	7	8	11	7	14	12	11	14	13	10	18	9	11	17	14	15	14	8	13	40	29	27	36	33	42	40	41	140	148	288
6.....	72	73	62	59	65	63	54	47	38	52	55	52	62	51	63	57	64	42	70	61	62	49	59	54	199	195	147	151	189	150	191	164	726	660	1,386
7.....	18	21	16	13	25	21	12	13	13	20	22	14	18	18	25	22	19	15	19	16	18	15	25	16	59	55	47	47	62	55	62	47	230	204	434
8.....	42	45	38	44	47	52	35	38	36	47	52	48	56	29	53	30	37	50	40	39	44	50	37	44	127	141	123	133	146	109	121	133	517	516	1,033
9.....	31	22	30	27	29	18	23	23	27	24	25	34	27	22	23	30	27	24	27	24	30	27	31	17	90	67	75	81	77	76	88	68	330	292	622
10.....	15	13	19	12	12	14	12	12	11	14	10	9	15	5	10	13	17	9	8	9	16	14	16	11	46	39	33	35	42	27	40	34	161	135	296
11.....	8	8	11	7	12	7	9	8	8	7	14	15	8	7	11	7	6	16	13	15	10	9	13	9	31	22	31	30	25	30	36	33	123	115	238
12.....	12	14	12	17	8	16	9	10	19	13	7	12	8	7	16	14	12	8	13	9	8	10	10	12	32	47	35	35	36	29	31	31	134	142	276
13.....	44	45	38	37	49	33	31	37	45	33	39	31	30	31	42	53	44	40	38	39	57	36	49	34	131	115	115	101	116	124	144	109	506	449	955
14.....	30	19	13	26	42	15	27	28	17	30	29	24	33	19	27	27	31	21	33	23	34	23	28	25	85	60	73	82	91	67	95	71	344	280	624
15.....	23	27	22	23	36	27	21	30	13	17	21	19	23	31	25	26	20	18	32	25	20	15	30	17	81	77	55	66	68	75	82	57	286	275	561
16.....	18	21	22	30	28	22	22	19	23	22	20	27	37	21	21	25	36	21	24	18	25	30	31	26	68	73	65	68	94	67	80	74	307	282	589
17.....	25	46	24	41	37	27	26	37	40	33	26	54	36	29	34	32	28	33	34	36	30	36	35	30	86	114	92	124	98	94	99	102	375	434	809
18.....	22	42	24	30	23	28	28	22	26	23	34	34	29	27	42	30	24	21	38	24	33	31	26	37	69	100	88	79	95	78	97	92	349	349	698
19.....	35	47	41	33	50	37	25	30	36	38	39	33	45	27	46	48	42	36	40	45	29	39	40	41	126	117	100	101	133	111	109	125	468	454	922
20.....	25	33	25	40	31	29	23	26	34	37	37	31	28	41	32	45	26	32	26	38	44	32	38	51	81	102	94	94	86	118	108	121	369	435	804
21.....	23	13	27	17	10	14	15	18	27	23	19	21	27	25	14	20	16	15	19	16	21	25	14	17	60	44	61	62	57	60	54	58	232	224	456
22.....	36	21	34	27	32	27	32	19	27	24	21	31	28	21	39	26	37	25	35	28	28	34	27	26	102	75	80	74	104	72	90	88	376	309	685
23.....	25	15	32	19	26	21	23	17	23	24	25	25	24	25	25	32	25	12	30	20	28	20	16	30	83	55	71	66	74	69	74	70	302	260	562
24.....	22	24	25	17	28	27	22	20	25	24	30	27	32	49	30	34	37	25	28	26	18	21	26	21	75	68	77	71	95	108	72	68	323	315	638
25.....	31	18	19	14	18	18	18	17	27	22	26	27	22	27	19	28	26	21	21	25	22	18	19	20	68	50	71	66	67	76	62	63	268	255	523
Totals by months	658	685	634	619	727	612	553	555	604	634	652	665	715	612	698	709	674	577	715	642	672	636	668	659	2,019	1,916	1,809	1,854	2,087	1,898	2,055	1,937	7,970	7,605	15,575
Parents residing in Boston	1,343		1,253		1,339		1,108		1,238		1,317		1,327		1,407		1,251		1,357		1,308		1,327		3,935		3,663		3,985		3,992		15,575		
Births of children of non-residents	12	12	12	13	11	9	16	8	19	22	16	10	15	21	17	16	22	12	16	17	11	17	16	8	35	34	51	40	54	49	43	42	183	165	348
Parents' residence un- known	13	20	17	24	23	19	18	16	17	12	17	12	24	28	21	13	15	12	13	12	17	12	13	18	53	63	52	40	60	53	43	42	208	198	406
Parents' residence Bos- ton, ward unknown	2	.....	2	1	.....	3	.....	2	3	.....	1	1	1	.....	1	.....	1	.....	1	.....	2	.....	1	1	4	1	5	4	2	1	4	1	15	7	22
Totals	27	32	31	38	34	28	37	24	38	37	33	23	40	50	38	29	38	24	30	29	30	29	30	27	92	98	108	84	116	103	90	85	406	370	16,351
All births by months	1,402		1,322		1,401		1,169		1,313		1,373		1,417		1,474		1,313		1,416		1,367		1,384		4,125		3,855		4,204		4,167		16,351		

the year, as was also the greatest number of female births in the same quarter, 195.

The least number of male births in any ward for any quarterly period was 25, in Ward 11, in July, August, and September; the least number of female births in any quarter-year was 22, in the same ward in the first quarter of the year.

PERCENTAGE OF BIRTHS IN EACH WARD TO WHOLE NUMBER OF BIRTHS AND OF WARD POPULATION AND RATIO.

WARD.	Population, U. S. Census, 1900.	Births in 1900.	Per cent. of Whole Number of Births.	Per cent. of Ward Population.	One in every
1.....	22,832	698	4.27	3.05	32
2.....	22,924	745	4.55	3.25	31
3.....	14,564	392	2.39	2.69	37
4.....	13,248	341	2.08	2.57	38
5.....	12,840	288	1.76	2.24	45
6.....	30,546	1,386	8.47	4.53	22
7.....	14,782	434	2.65	2.93	34
8.....	28,817	1,033	6.31	3.58	27
9.....	24,583	622	3.80	2.53	39
10.....	22,142	296	1.81	1.33	75
11.....	19,275	238	1.45	1.23	81
12.....	23,641	276	1.68	1.16	85
13.....	22,835	955	5.84	4.26	24
14.....	21,453	624	3.81	2.90	34
15.....	19,700	561	3.43	2.84	35
16.....	20,017	589	3.60	2.94	33
17.....	25,038	809	4.94	3.22	31
18.....	22,401	698	4.27	3.11	32
19.....	27,178	922	5.63	3.39	29
20.....	32,556	804	4.91	2.46	40
21.....	23,868	456	2.79	1.91	52
22.....	25,610	685	4.18	2.67	37
23.....	23,637	562	3.43	2.37	42
24.....	27,126	638	3.90	2.35	42
25.....	19,279	523	3.19	2.71	37

The greatest number of births in any ward was in Ward 6, 1,386, which is 8.47 per cent. of the whole number, and 4.53 per cent. of the population of the ward, or 1 for every 22 of the population; the least number of births in any ward was 238, in Ward

11 ; this number was 1.45 per cent. of the total number of births, and 1.23 per cent. of the ward population, or 1 in every 81. Ward 25, with almost the same population as Ward 11, has 3.19 per cent. of the total number of births and 2.71 per cent. of the ward population, or 1 in every 37. Ward 20, with a population 2,000 greater than Ward 6, had 804 births, 4.91 per cent. of the whole number, and 2.46 per cent. of its population, or 1 to every 40.

COLORED BIRTHS. ALL OTHER THAN WHITE. (TABLE XVIII.)

There were 334 births of colored children in Boston, or 2.04 per cent. of the total number of births. Of these, 171 were males, and 163 females. Twelve were recorded as yellow, presumably of Chinese parentage (both parents or one) ; of these, 9 were males and 3 females. In January and June were the greatest numbers, each having 35 recorded, and 18 each in July and September, the least numbers recorded. Ward 18 is credited with the greatest number of colored births, 59 (25 males, 34 females), while Wards 1, 3, 5, 14, 23 have each 1. Of the yellow or Chinese births 11 were in Ward 7, and 1 in Ward 10 ; 9 were males and 3 were females.

BIRTHS — NATIVITY OF FATHERS AND MOTHERS. (TABLE XIX. AND XX.)

Fathers. — Of the children born in 1900, 2,804 had Boston-born fathers, 2,711 had fathers who were born elsewhere in the United States, making a total of 5,515 American-born fathers ; there were 3,439 fathers born in Ireland, 1,816 in the British-American Provinces, 757 in Great Britain, 1,322 in Italy, 1,350 in Russia, 445 in Germany, 409 in Sweden and Norway, 121 in Austria, 78 in Portugal, 41 in Syria, 36 in France, 10 in China, 315 in various other foreign countries, and 694 whose birthplace is unknown.

Mothers. — There were 3,115 mothers of Boston birth, and 2,577 mothers born elsewhere in the United States, making a total of 5,692 American-born mothers ; 3,938 mothers were born in Ireland, 2,226 in the British-American Provinces, 635 in Great Britain, 1,251 in Italy, 1,318 in Russia, 394 in Germany, 410 in Norway and Sweden, 108 in Austria, 63 in Portugal, 41 in Syria, 19 in France, 9 in China, 216 in other foreign countries, and 31 whose birthplace is unknown.

Ward Residence of Fathers and Mothers.

Greatest number of American-born fathers, 382, in Ward 20.

Least number of American-born fathers, 93, in Ward 6.

Greatest number of American-born mothers, 396, in Ward 20.

Least number of American-born mothers, 104, in Ward 5.

Greatest number of foreign-born fathers, 1,281, in Ward 6.

Least number of foreign-born fathers, 94, in Ward 11.

Greatest number of foreign-born mothers, 1,256, in Ward 6.

TABLE

WARD.	
1.....	
2.....	
3.....	
4.....	
5.....	
6.....	
7.....	
8.....	
9.....	
10.....	
11.....	
12.....	
13.....	
14.....	
15.....	
16.....	
17.....	
18.....	
19.....	
20.....	
21.....	
22.....	
23.....	
24.....	
25.....	
Ward unknown.....	
Total Boston Par- centage.....	
Parents Non-resi- dent.....	
Parents' Residence unknown.....	

TABLE XVIII. — COLORED BIRTHS REGISTERED IN BOSTON IN 1900, BY WARDS, EACH MONTH.

[Those marked * were Yellow, or Chinese.]

WARD.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Total.		Total both Sexes.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
1.....					1																				1		1
2.....																											
3.....						1																			1		1
4.....							1						1		1										2	1	3
5.....	1																								1		1
6.....	1								1												1				3		3
7.....		{ *1 2	1		*1	1	2				*1		1		{ *1 2	*1	*1	1	2				*5		13	10	23
8.....		1	1	2			1		2	3					1			2	2					1	7	9	16
9.....	1	1		4	3	2		1	2	2	2	2	1	1			2		3	2	2	4	2		16	21	37
10.....		3	2	1	2		3	2		2	2				1	2	2		1		4	1	{ *1 1	2	19	13	32
11.....	2	1	1		2	2	3	2		3	5	3	2		2	2	2	1	2	2	2	1	3		26	17	43
12.....		3	1	3		1	1	1	2	2	2	1	1	1	1	1	1		1	2	1	1	1	1	12	17	29
13.....	1							1					1												1	2	3
14.....													1													1	1
15.....																											
16.....			1								1		1												3		3
17.....		5	1	3	1		2	1	2	1	2	4	1		3				1	1	2		1	3	16	18	34
18.....	4	3	2	1	2	6	2	1	1	3		3		2	5	2	2	3	3	1	2	5	2	4	25	34	59
19.....					1			1		1									2			1			3	3	6
20.....				1													1								1	1	2
21.....																											
22.....	2	1	1				1			2			2											1	5	5	10
23.....			1																						1		1
24.....																											
25.....		1							1		1														2	1	3
Ward unknown.....																											
Total Boston Par- entage.....																											
Parents Non-resi- dent.....					1				2	1	1		2	1	1		1			2	1	2	1		10	6	16
Parents' Residence unknown.....		1	1						1	1			1				1			1					4	3	7
	12	23	13	15	14	14	13	12	12	20	20	15	13	5	15	12	11	7	16	13	15	15	17	12	171	163	
	35		28		28		25		32		35		18		27		18		29		30		29		334		334

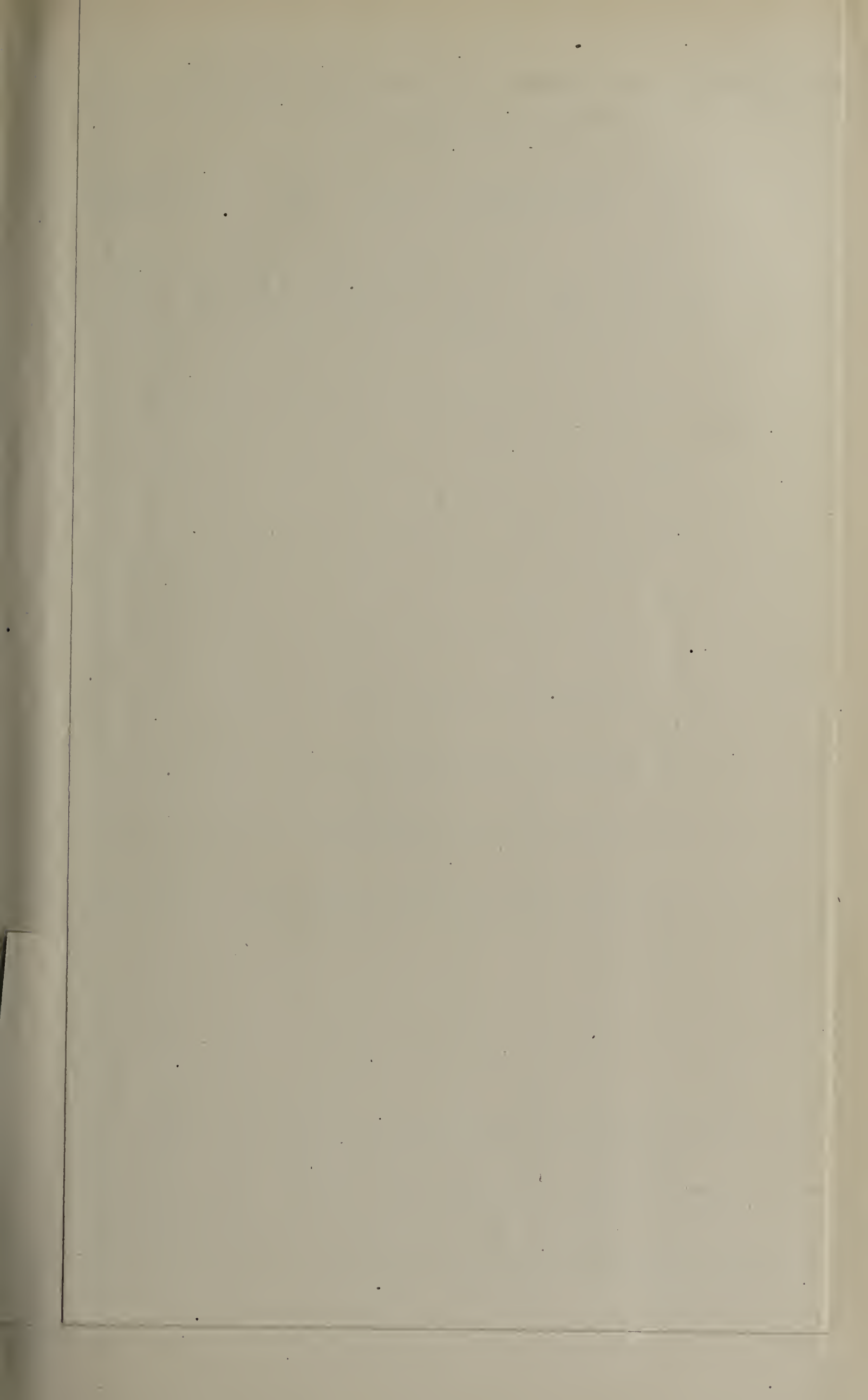


TABLE XIX.—NATIVITY OF FATHERS AND MOTHERS (RELATIVE).

BIRTHPLACES OF FATHERS.	BIRTHPLACES OF MOTHERS.																												Totals (Birthplaces of Fathers).				
	Boston.		United States, out of Boston.		Ireland.		Germany.		Italy.		Russia.		British American Provinces.		Great Britain.		Austria.		Portugal.		Norway and Sweden.		France.		Syria.		China.			Other Countries.		Unknown.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.		Males.	Females.		
Boston	810	766	272	253	180	143	12	14	2	3	1	.....	108	142	42	36	1	.....	3	2	4	3	.....	.....	.....	.....	.....	.....	3	3	.....	1	2,804
	1,576		525		323		26		5		1		250		78		1		5		7		.....	.....	.....	.....	.....	.....	6		1		
United States, out of Boston..	322	339	648	600	162	112	15	10	1	.....	.....	1	190	194	48	41	.....	1	.....	1	4	5	.....	.....	.....	.....	1	1	4	7	2	2	2,711
	661		1,248		274		25		1		1		384		89		1		1		9		.....	.....	.....	.....	2	.....	11		4		
Ireland.....	143	108	49	70	1,453	1,408	1	2	.....	.....	.....	1	58	55	42	41	.....	.....	.....	.....	2	1	1	.....	.....	.....	.....	.....	2	2	.....	.....	3,439
	251		119		2,861		3		.....	.....	1	.....	113		83		.....	.....	.....	.....	3		1		.....	.....	.....	.....	4		.....		
Germany.....	30	31	21	16	12	13	147	125	.....	.....	3	10	4	10	3	5	1	3	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	3	2	1	1	445
	61		37		25		272		.....	.....	13		14		8		4		.....	.....	4		.....	.....	.....	.....	.....	.....	5		2		
Italy	22	16	7	8	7	8	.....	.....	649	592	1	.....	1	2	1	2	.....	.....	2	.....	1	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	1,322
	38		15		15		.....	.....	1,241		1		3		3		.....	.....	2	.....	2		1		.....	.....	.....	.....	1		.....		
Russia	4	10	4	13	4	2	13	9	.....	.....	635	610	.....	1	7	5	7	10	.....	.....	2	1	.....	1	.....	.....	.....	.....	7	5	.....	.....	1,350
	14		17		6		22		.....	.....	1,245		1		12		17		.....	.....	3		1		.....	.....	.....	.....	12		.....		
British American Provinces..	116	102	114	91	83	81	1	1	.....	.....	.....	.....	585	575	31	29	.....	.....	.....	.....	.....	1	.....	2	2	.....	.....	.....	1	.....	.....	1	1,816
	218		205		164		2		.....	.....	.....	.....	1,160		60		.....	.....	.....	.....	1		4		.....	.....	.....	.....	1		1		
Great Britain.....	64	50	64	53	74	51	6	2	.....	.....	2	3	46	68	133	127	.....	.....	.....	.....	4	3	.....	.....	.....	.....	.....	.....	3	4	.....	.....	757
	114		117		125		8		.....	.....	5		114		260		.....	.....	.....	.....	7		.....	.....	.....	.....	.....	.....	7		.....		
Austria	1	3	.....	1	1	1	1	5	.....	1	15	7	1	.....	.....	.....	32	46	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	4	4	.....	.....	124
	4		1		2		6		.....	1	22		1		.....	.....	78		.....	.....	1		.....	.....	.....	.....	.....	.....	8		.....		
Portugal	11	6	2	1	2	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	26	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	78
	17		3		2		.....	.....	.....	.....	4		.....	.....	.....	.....	.....	.....	.....	52		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Norway and Sweden	6	7	7	5	4	7	.....	1	.....	.....	1	1	6	8	3	4	.....	.....	.....	.....	1	175	173	.....	.....	.....	.....	.....	.....	.....	.....	.....	409
	13		12		11		1		.....	.....	2		14		7		.....	.....	.....	.....	1		348		.....	.....	.....	.....	.....	.....	.....	.....	
France	1	2	8	2	2	.....	1	1	.....	.....	2	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	2	6	.....	.....	.....	.....	2	1	.....	.....	36
	3		10		2		2		.....	.....	3		5		.....	.....	.....	.....	.....	.....	.....	8		.....	.....	.....	.....	.....	3		.....		
Syria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26	15	.....	.....	.....	.....	.....	.....	41
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41	.....	.....	.....	.....	.....	.....		
China .....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	2	.....	.....	.....	.....	10
	.....	.....	1		.....	.....	.....	.....	.....	.....	.....	.....	2		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	.....		
Other Countries	9	12	19	14	6	10	12	7	.....	1	11	4	4	12	5	10	5	2	.....	2	7	7	1	.....	.....	.....	.....	.....	80	75	.....	.....	315
	21		33		16		19		1		15		16		15		7		2		14		1		.....	.....	.....	.....	155		.....		
Unknown.....	64	60	123	111	56	56	7	1	.....	2	.....	5	67	82	11	9	.....	.....	.....	.....	7	4	2	1	.....	.....	.....	.....	2	1	13	10	694
	124		234		112		8		2		5		149		20		.....	.....	.....	.....	11		3		.....	.....	.....	.....	3		23		
Totals (Birthplaces of Mothers).....	3,115		2,577		3,938		394		1,251		1,318		2,226		635		108		63		410		19		41		9		216		31		16,351

Least number of foreign-born mothers, 100, in Ward 11.

Greatest number of fathers born in

Ireland, 487, in Ward 13.

British-American Provinces, 163, in Ward 1.

Italy, 849, in Ward 6.

Russia, 519, in Ward 8.

Great Britain, 53, in Ward 2.

Germany, 89, in Ward 19.

Sweden and Norway, 52, in Ward 2.

Austria, 49, in Ward 8.

Portugal, 22, in Ward 2.

Syria, 35, in Ward 7.

France, 5 each in Wards 1 and 7.

China, 9, in Ward 7.

Greatest number of mothers born in

Ireland, 528, in Ward 13.

British American Provinces, 186, in Ward 1.

Italy, 821, in Ward 6.

Russia, 525, in Ward 8.

Great Britain, 47, in Ward 1.

Germany, 81, in Ward 19.

Sweden and Norway, 48, in Ward 2.

Austria, 39, in Ward 8.

Portugal, 23, in Ward 2.

Syria, 35, in Ward 7.

France, 4, in Ward 7.

China, 9, in Ward 7.

The Boston-born fathers were 17 per cent., the American-born fathers (inclusive of Boston) were 34 per cent., the foreign-born fathers were 62 per cent., and the fathers whose birthplace was unknown were 4 per cent. of the whole number of fathers.

The Boston-born mothers were 19 per cent., the American-born mothers (inclusive of Boston) were 34 per cent., the foreign-born mothers were 65 per cent., and the mothers whose birthplace was unknown were 0.18 per cent. of the whole number of mothers.

Of the foreign-born fathers, those born in Ireland were 33.87 per cent. of the whole number of foreign-born fathers, and 21 per cent. of the whole number of fathers.

The fathers born in the British American Provinces were 18 per cent. of the foreign-born fathers, and 11 per cent. of the whole number of fathers.

Fathers born in Russia were 13.28 per cent. of the foreign-born fathers, and 8.24 per cent. of the whole number of fathers.

Fathers born in Italy were approximately in the same ratios as the Russian-born fathers, they being only 28 less in number than the latter.

German fathers were 4.41 per cent. of foreign-born fathers, and 2.73 per cent. of the whole number of fathers.

Fathers born in Sweden and Norway were 4.03 per cent. of the

foreign-born fathers, and 2.50 per cent. of the whole number of fathers.

Of the foreign-born mothers, those born in Ireland were 37 per cent., and of the whole number of mothers, 24 per cent.

The mothers born in the British American Provinces were 21 per cent. of the foreign-born mothers, and 13.62 per cent. of the whole number of mothers.

The mothers born in Russia were 12.39 per cent. of foreign-born mothers, and 8.06 per cent. of the whole number of mothers.

The mothers born in Italy were 11.74 per cent. of the foreign-born mothers, and 7.63 per cent. of the whole number of mothers.

German mothers were 3.60 per cent. of the foreign-born mothers, and 2.40 per cent. of the whole number of mothers.

The mothers of Swedish and Norwegian birth were 3.88 per cent. of the foreign-born mothers, and 2.52 per cent. of the whole number of mothers.

The American-born mothers exceeded the American-born fathers by 177.

The foreign-born mothers exceeded the foreign-born fathers by 486.

Proportion of the Sexes to the Nativity of Parents.

The children of American fathers were 2,834 males, 2,681 females; excess of males, 153.

The children of American mothers were 2,939 males, 2,753 females; excess of males, 186.

The children of parents both American were 2,051 males, 1,958 females; excess of males, 93.

The children of foreign fathers were 5,188 males, 4,950 females; excess of males, 238.

The children of foreign mothers were 5,417 males, 5,207 females; excess of males, 210.

The children of parents both foreign were 4,488 males, 4,326 females; excess of males, 162.

The children of native fathers and foreign mothers were 778 males, 718 females; excess of males, 60.

The children of American mothers and foreign fathers were 700 males, 624 females; excess of males, 76.

The children of Boston-born fathers and mothers were 810 males, 766 females; excess of males, 44.

BIRTHS IN INSTITUTIONS: SEXES, WARD RESIDENCE AND NATIVITY OF PARENTS.

There were 1,379 births recorded in 1900 as occurring in various institutions in Boston; of these 719 were males and 672 females. 81 were colored, and 2 were the children of Chinese fathers and white mothers. 679 fathers and 809 mothers were residents of Boston, and 146 fathers and 240 mothers were non-residents; and of 49 fathers and 326 mothers the residence was unknown or not stated. The parents (one or both) of 93 of

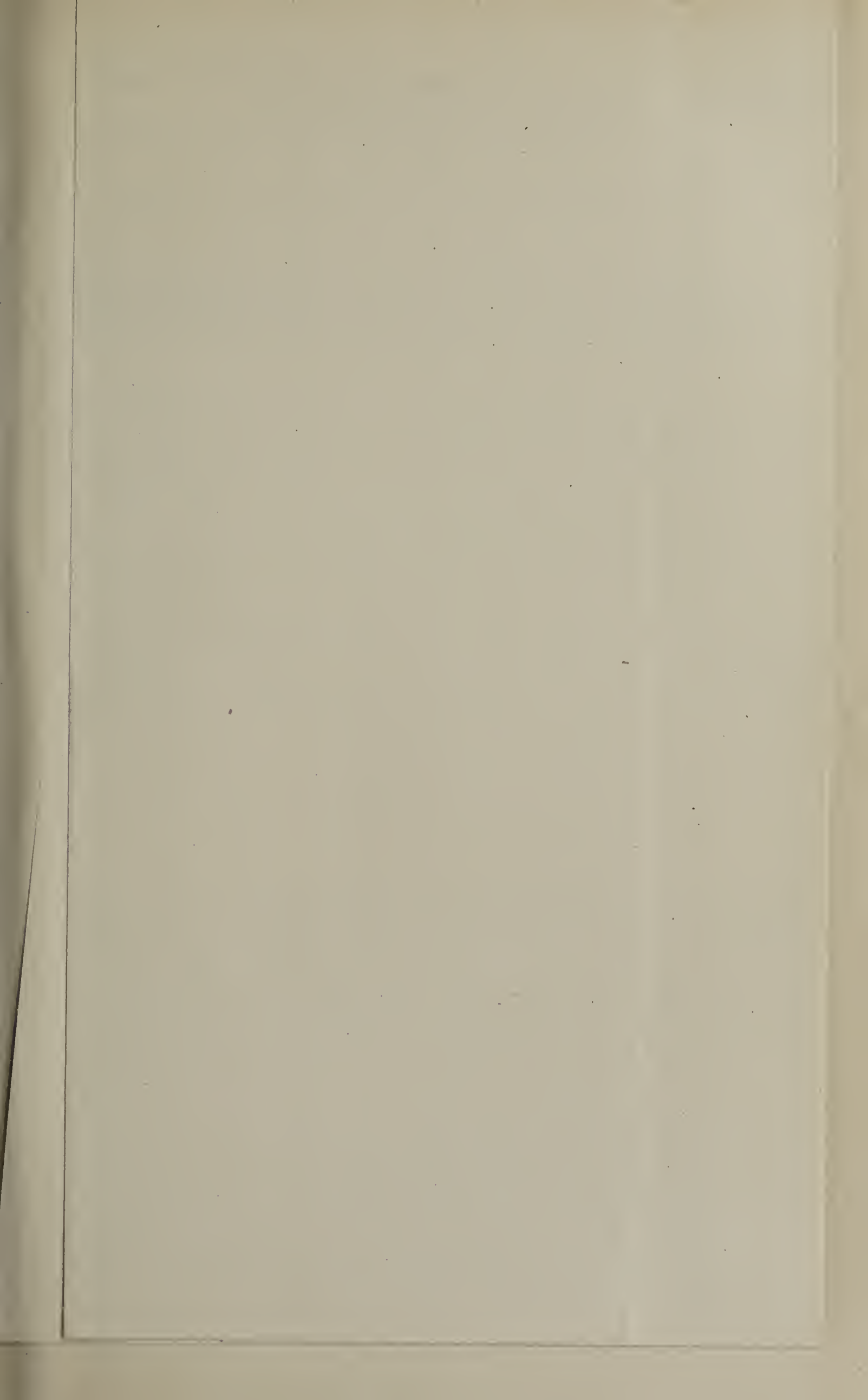


TABLE XX.—BIRTHS: SEX, NATIVITY OF FATHERS AND MOTHERS, BY WARDS AND COUNTRIES.

[Total Births, 16,351: Males, 8,376; Females, 7,975.]

WARD.....	1.		2.		3.		4.		5.		6.		7.		8.		9.		10.		11.		12.		13.		14.		15.		16.		17.		18.		19.		20.		21.		22.		23.		24.		25.		Ward Unknown.		Total Parents Residing in Boston.		Parents Non-Resident.		Unknown.		Total.																																																																																																																																																																																																																																																																																																																																																											
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Total Parents Residing in Boston.	Males.	Females.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																			
BIRTHPLACE OF FATHERS.																																																																																																																																																																																																																																																																																																																																																																																																																						
Boston	92	82	76	65	50	49	28	37	29	31	35	35	23	26	29	34	30	25	19	12	25	26	26	24	83	76	97	71	72	76	85	96	78	89	64	50	82	74	83	100	65	58	69	60	64	58	70	54	41	42	1	1	2,768	15	9	6	6	2,804																																																																																																																																																																																																																																																																																																																																																												
United States, out of Boston.....	54	53	29	29	25	31	32	32	22	24	15	8	32	32	36	42	50	55	48	42	43	35	47	48	39	32	63	50	50	45	55	46	72	77	79	72	56	63	90	109	64	58	82	58	72	54	79	81	66	67	3	1	2,548	64	48	30	21	2,711																																																																																																																																																																																																																																																																																																																																																												
Total American by sex.....	146	135	105	94	75	80	60	69	51	55	50	43	55	58	65	76	80	80	67	54	68	62	73	72	122	108	160	121	122	121	140	142	150	166	143	122	138	137	173	209	129	116	151	118	136	112	149	135	107	109	4	2		79	57	36	27																																																																																																																																																																																																																																																																																																																																																													
Total American, both sexes...	281		199		155		129		106		93		113		141		160		121		130		145		130		181		243		182		316		265		275		382		245		269		248		284		216		6		5,316	136		63		5,515																																																																																																																																																																																																																																																																																																																																																												
Ireland.....	28	34	70	50	71	58	59	61	60	60	37	29	49	32	42	32	41	49	37	24	11	13	18	22	255	232	82	68	72	77	50	51	117	140	80	92	186	175	70	85	27	29	75	76	62	41	63	64	78	81	1		3,416	5	8	5	5	3,439																																																																																																																																																																																																																																																																																																																																																												
British American Provinces.....	86	77	66	67	30	32	31	17	14	19	23	15	12	13	13	18	28	16	20	14	11	15	13	17	36	35	44	40	39	32	51	31	54	50	40	48	46	42	52	60	35	38	46	31	40	40	50	66	34	29	2	...	1,778	15	17	2	4	1,816																																																																																																																																																																																																																																																																																																																																																												
Great Britain (England, Scotland, Wales).....	24	24	30	23	8	11	8	8	6	5	2	2	9	11	16	14	16	11	8	13	4	5	9	9	9	12	19	17	11	12	14	14	16	17	19	25	24	19	25	23	9	11	26	20	27	17	19	12	20	20	2	...	735	11	6	1	4	757																																																																																																																																																																																																																																																																																																																																																												
Italy.....	15	17	18	19	4	4	3	5	3	2	456	393	29	32	54	56	33	24	3	2	1	3	4	1	5	3	2	2	5	3	18	17	6	9	4	9		3	2	4	2	3	1	2	6	5	2	4	2	1	1		1,320	8	6	6		1,322																																																																																																																																																																																																																																																																																																																																																												
Russia.....	15	16	55	47		1	1	4			112	126	18	16	256	263	94	72	2	1	9	7	2	2	37	27	7	12	6	4	6	7	6	4	13	19	4	4	11	12	8	1	5	4	1	2	2	4	4	5		1	1,335	7	6	2		1,350																																																																																																																																																																																																																																																																																																																																																												
Germany.....	7	4	2	7	2	4	2	3	1	2	4	5	7	3	3	11	7	5	2	6	3		1	1	12	6	9	5	19	18	8	5	9	10	11	5	47	41	5	7	6	5	38	33	11	23	4	2	5	4			440		4		1	445																																																																																																																																																																																																																																																																																																																																																												
Norway and Sweden.....	12	19	20	32	3	2	2	..	1	3	12	3	1	2	1	3	3	5	4	5	3		2	2	6	9	5	7	7	2	8	5	8	13	25	12	3	9	9	10	6	7	18	17	13	11	21	18	7	1			397	2	7	1	2	409																																																																																																																																																																																																																																																																																																																																																												
Austria.....	1	1	2	2					7	13	2	5	28	21	5	9	1						1	1																																																																																																																																																																																																																																																																																																																																																																																														

these children resided in Ward 8 (the greatest number for any ward); and of 4 in Ward 4 (the least number for any ward).

Nativity. — In 62 cases the parents were both born in Boston; there were 138 fathers and 230 mothers born in Boston; 339 fathers and 463 mothers born in the United States outside of Boston; making a total of 477 fathers and 693 mothers of American birth. Of the parents of foreign birth the British American Provinces heads the list with 105 fathers and 258 mothers; there were 86 fathers and 221 mothers born in Ireland; 64 fathers and 69 mothers born in Great Britain; 19 fathers and mothers born in Germany; 6 fathers and 3 mothers born in Italy; 29 fathers and 31 mothers born in Russia; 30 fathers and 31 mothers born in Norway and Sweden; 3 fathers and 2 mothers born in France; 9 fathers and 5 mothers born in Austria; 11 fathers and mothers born in Syria; and 33 fathers and 24 mothers from all other countries.

The births in institutions form 8.40 per cent. of the whole number of births; the proportion of American fathers in these births is 54.57 per cent., and of American mothers is 50.40 per cent.; the proportion of foreign-born fathers is 45.42 per cent., and of foreign-born mothers 49.60 per cent. Of foreign-born fathers those who were born in the British American Provinces form 26.45 per cent., and of foreign-born mothers those of the same nativity form 37.83 per cent.; the fathers born in Ireland form 21.66 per cent. of the foreign-born fathers, and the mothers born in Ireland were 32.40 per cent. of the foreign-born mothers. The parents born in these countries were greatly in excess of those of any other foreign country.

OCCUPATIONS OF FATHERS OF MALE CHILDREN BORN IN 1900.

Merchants: Dealers, traders and manufacturers (heads of business)	647
Mercantile employees: Clerks, salesmen, bookkeepers, etc.	1,003
Professional: Law, religion, medicine, arts and sciences, teachers, instructors, musicians, etc.	255
Brokers: Real estate, insurance, money, etc.	71
Bankers: Bank clerks, tellers, cashiers, etc.	18
Railroad employees (steam and electric)	376
Electrical business: Supplies, construction, etc.	73
Government employees: National, State and Municipal, Army and Navy, clerks, policemen, firemen, etc.	183
Steam engineering (exclusive of railroad and marine): engineers, firemen, etc.	119
Domestic service: Cooks, waiters, stewards, etc.	365
Marine employments: Sailors, captains, mates, pilots, etc.	55
Laborers	1,475
Trade workers, mechanics, etc.:	
Building trades	620
Textile trades	357

Metal workers	394
Leather workers	161
Painters, decorators, etc.	200
Pavers	24
Stone and marble workers	30
Bakers	99
Blacksmiths	97
Cigar makers	42
Rubber workers	27
Brewery workers	48
Bookbinders	12
Paper workers	10
Upholsterers and mattress makers	13
Printers, engravers, etc.	120
Wood workers	62
Brush-makers	8
Bottlers	14
Paperhangers	14
Piano and organ building	15
Wheelwright	4
Millwright	2
Rope, cord and twinemakers	10
Theatrical employees	6
Teamsters, cabmen, stablemen	667
Farmers, gardeners, florists	31
Telephone and telegraph	23
Riggers, calkers, ship carpenters	28
Mechanics	17
Watchmen, gatekeepers, yardmen	32
Moulders (?)	16
Fish curers	4
Locksmiths	2
Sugar refiners	3
Distillers	2
Electroplaters	3
Undertakers	8
Chocolate makers	4
Mill hands	2
Factory hands	13
Lamplighters	7
Elevator men	3
Hotel and restaurant keepers	4
Pool and billiards	7
Inspectors (?)	3
Instrument makers	2
Gas men	2
Gas inspectors	2
Carriage trimmers	2
Golf keepers	2

And 1 each of the following occupations: Phonoharp maker, clam digger, screenmaker, egg tester, cork cutter, stucco worker, paper-box maker, button moulder, dye-house man, gauger, presser, in dye and chemical works, candymaker, syrup maker, kindling wood cutter, milk modifier, gypsy, badgemaker, bicycle maker, pyrotechnist, glass blower, ward master, sailmaker, miner, gas meter maker, automobile driver, wool grader, fan-maker, sporting goods repairer, asylum attendant, coffee roaster, cattle man, gaugemaker, bicycle repairer and diver.

The occupations of 413 fathers were unknown.

OCCUPATIONS OF FATHERS OF FEMALE CHILDREN BORN IN BOSTON
IN 1900.

Merchants: Dealers, traders and manufacturers (heads of business)	667
Mercantile employees: Clerks, salesmen, bookkeepers, etc.,	992
Professional: Law, religion, medicine, arts and sciences, teachers, instructors, musicians, etc.	212
Brokers: Real estate, insurance, etc.	46
Bankers: Bank clerks, tellers, cashiers, etc.	20
Railroad employees (steam and electric)	297
Electrical business: Supplies and construction	75
Government employees: National, State, and Municipal, Army and Navy, clerks, policemen, firemen, etc.	214
Steam engineering (exclusive of railroad and marine)	84
Domestic service: Cooks, waiters, stewards, etc.	299
Marine employments: Sailors, captains, mates, pilots	71
Laborers	1,483
Telephone and Telegraph employees	18
Trade workers, mechanics, etc.:	
Building trades	608
Textile trades	353
Metal workers	319
Leather workers	125
Painters, decorators, etc.	183
Pavers	16
Potters	3
Rubber workers	16
Bottlers	15
Bakers	80
Stone and marble workers	48
Upholsterers	15
Bookbinders	18
Blacksmith	61
Moulders	10
Cigarmakers	37
Theatrical employees	3
Brewery employees	40

Printers, engravers, etc.	94
Wood workers	57
Riggers, calkers, etc.	26
Farmers, gardeners, florists, etc.	37
Boilermakers	8
Piano and organ builders.	6
Paper cutters	6
Teamsters, cabmen, hostlers, etc.	661
Miscellaneous trades and occupations :	
Mill hands	5
Mechanics	23
In factory	6
Contractors	27
Foremen	8
Inspectors	11
Janitors	52
Elevator men	7
Hotel and restaurant keepers	8
Watchmen, yardmen, etc.	46

There were three each of the following : lamplighters, undertakers, pool-room keepers, gas-house workers, members of Salvation Army, dyers and box-makers ; two each of inventors, bridge-smiths, electroplaters, brushmakers, and automobile drivers ; and one each of the following : diver, miner, ropemaker, paper ruler, umbrella finisher, sugar-house worker, clam digger, valve tester, fruit juice worker, sign hanger, boiler erector, clay modeler, reed worker, gymnast, lapidary, electrotyper, wire roller, framemaker, gas engineer, in chocolate mill, superintendent of building, billiard-room tender, tilesetter, organizer, steamdriller, carriage-smith, fish-smoker, custodian of cemetery, in chemical works.

The occupations of 381 fathers were unknown.

SUMMARY OF OCCUPATIONS OF FATHERS OF CHILDREN.

The occupations of the fathers of 15,557 children were given on the birth returns to this office, and are recorded ; while the returns in many instances are vague and indefinite as to the exact nature of the employment of the fathers, yet in a very large number of the cases enough information is given to indicate whether the fathers are of the industrial class, so called, or belong to the mercantile or professional classes, or of any classes requiring no specific degree of manual skill. Of fathers of the industrial class (skilled and unskilled mechanics, laborers, etc.) there were 10,029, or 61.33 per cent. of the whole number of fathers, and 64.46 per cent. of the fathers whose occupation was given. As to sex, the children were 5,209 males and 4,820 females ; the number of male children is 62.18 per cent. of the whole number of male children, and the female children were 60.43 per cent. of the whole number of female children.

Of the fathers of the mercantile and professional classes there

were 5,528, or 33.80 per cent. of the whole number of fathers, and 35.53 per cent. of the fathers whose occupation was given. As to sex of the children there were 2,754 males, or 32.87 per cent. of the whole number of male children, and 2,774 females, or 34.78 per cent. of the whole number of female children.

The percentage of births returned with occupation of father unknown or not given was 4.24.

PLURALITY BIRTHS.

The number of plurality births in Boston in 1900 was 175. There were 173 cases of twins, and 2 cases of triplets.

Locality. — Births of twins by wards :

Ward 1 9	Ward 15 4
2 5	16 4
3 2	17 8
4 3	18 5
5 3	19 15
6 17	20 11
7 5	21 4
8 15	22 7
9 6	23 6
10 4	24 13
11 1	25 5
12 1	Non-resident 2
13 9	Unknown 2
14 7	

One case of triplets in Ward 13, and one in Ward 17.

Season. — Births of twins by months and quarter-year periods :

January 11	July 17
February 14	August 18
March 15	September 5
First quarter 40	Third quarter 40
April 8	October 14
May 16	November 20
June 19	December 16
Second quarter 43	Fourth quarter 50

One case of triplets in May, and one in June.

Sex. — In 54 cases of twins both children were males ; in 55 cases both were females ; and in 64 cases there was 1 child of each sex. The triplets in both cases were 1 female and 2 males. The whole number of males was 175, and of females 175, in plurality births.

Color. — There were 3 cases of colored twin births, one was a male and female ; the other 2 cases were both females.

Nativity of Parents.

Of the parents of twins 25 fathers and 25 mothers were born in Boston, and 27 fathers and 27 mothers were born in the United States, not including those of Boston birth; 42 fathers and 45 mothers were born in Ireland; 8 fathers and 8 mothers born in Great Britain; 17 fathers and 20 mothers born in the British American Provinces; 15 fathers and 14 mothers born in Russia; 4 fathers and 5 mothers born in Germany; 2 fathers and 2 mothers in Austria; 19 fathers and 18 mothers in Italy; 5 fathers and 7 mothers in Norway and Sweden; 3 fathers and 2 mothers in Denmark; 1 mother in Belgium; 3 fathers in France; and of 2 fathers the birthplace was unknown.

Of the triplets 1 father and 2 mothers were born in Ireland, and 1 father was born in Germany.

The nativity of the parents of twins was as follows :

Father and mother born in Boston	14
“ “ “ “ United States, other than Boston,	14
“ “ “ “ Ireland	36
“ “ “ “ Italy	18
“ “ “ “ British American Provinces	13
“ “ “ “ Russia	13
“ “ “ “ Sweden	4
“ “ “ “ England	2
“ “ “ “ Germany	2
“ “ “ “ Austria	1
“ “ “ “ Norway	1
“ “ “ “ Denmark	1
Father born in Boston, mother in	
United States, out of Boston	8
Ireland	3
Sweden	1
Father born in United States, out of Boston, mother in	
Boston	6
Ireland	3
Germany	1
British American Provinces	1
England	2
Father born in	
Ireland, mother in Boston	1
Italy, mother in Boston	1
England, mother in Boston	1
France, mother in United States, out of Boston	1
British American Provinces, mother in United States, out of Boston	1
Scotland, mother in United States, out of Boston	1
Ireland, mother in United States, out of Boston	2
British American Provinces, mother in Boston	1
England, mother in Ireland	2
Ireland, mother in British American Provinces	2
Denmark, mother in Norway	1

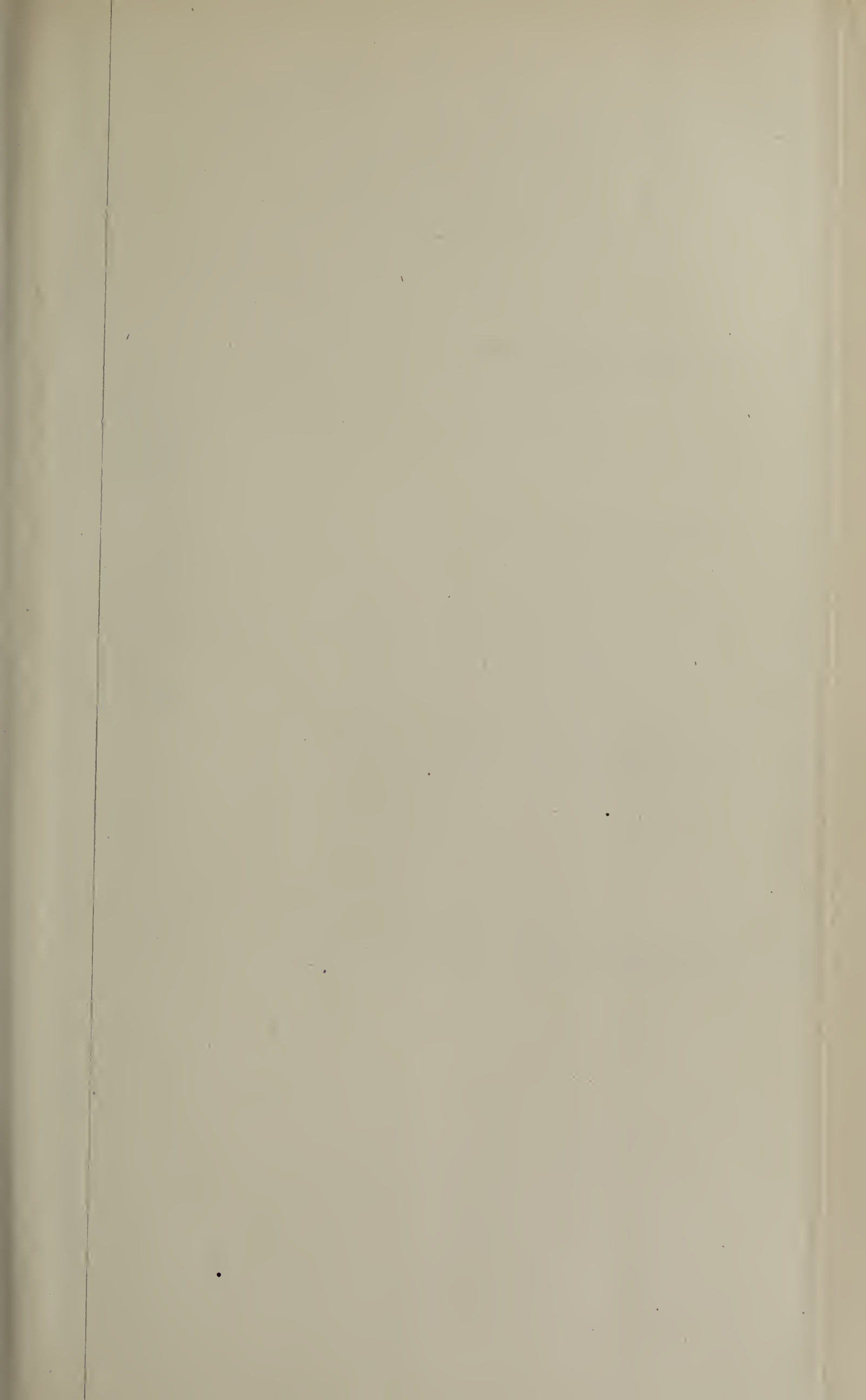


TABLE XXI.—BIRTHS: NATIVITY OF PARENTS (GENERAL).

WARD.....	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	Ward Unknown.	Total Boston Residents.	Non-resident.	Residence Unknown.	Whole Number.
One parent, Boston.....	158	137	74	68	48	67	58	66	73	45	55	57	141	156	122	128	151	107	143	196	110	136	113	134	110	5	2,658	42	67	2,767
Both parents, Boston.....	102	76	67	43	35	50	21	31	36	11	16	27	88	97	99	110	106	69	88	99	69	61	64	62	32	2	1,561	10	5	1,576
Both parents American other than Boston,	91	50	53	47	47	23	46	54	79	70	81	77	62	107	92	101	113	118	100	187	131	128	137	160	132	4	2,290	100	43	2,433
Total American.....	193	126	120	90	82	73	67	85	115	81	97	104	150	204	191	211	219	187	188	286	200	189	201	222	164	6	3,851	110	48	4,009
Father native, mother foreign.....	88	72	35	39	24	20	45	56	45	39	32	40	80	77	52	71	96	77	86	95	44	80	47	62	52	1	1,455	26	15	1,496
Mother native, father foreign.....	76	67	37	38	21	53	33	32	38	23	30	25	60	76	64	57	72	47	80	94	51	72	50	54	41	2	1,296	22	6	1,324
Total mixed.....	164	139	62	77	45	73	77	92	83	62	62	65	140	153	116	128	168	124	166	189	95	152	97	116	93	3	2,751	48	21	2,820
Father unknown, mother native.....	1	2	4	2	1	4	8	11	14	8	10	11	6	6	.....	6	6	11	6	13	3	1	4	6	1	3	148	66	144	358
Father unknown, mother foreign.....	2	4	3	1	1	8	11	12	3	9	3	6	1	3	2	4	6	7	9	13	2	3	3	3	3	3	125	38	151	314
Mother unknown, father native.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	4	1	.....	5
Mother unknown, father foreign.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Both parents unknown.....	.....	3	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	1	.....	.....	.....	2	.....	2	.....	1	.....	.....	12	2	14	28
Both parents foreign.....	338	470	193	171	159	1,228	270	833	407	135	65	88	658	258	251	239	408	368	552	301	155	338	258	290	261	7	8,701	85	28	8,814

France, mother in British American Provinces	1
Scotland, mother in Ireland	1
Russia, mother in Germany	1
Austria, mother in Germany	1
Germany, mother in British American Provinces	1
Germany, mother in Austria	1
Poland, mother in Russia	1
British American Provinces, mother in England	2
Sweden, mother in Norway	1
Belgium, mother in France	1
England, mother in Scotland	1
Scotland, mother in British American Provinces	1
Father, birthplace unknown, mother in Ireland	1
Father, birthplace unknown, mother in British American Provinces	1

Total twin births 173

Triplets :

Father born in Ireland, mother in Ireland	1
“ “ Germany, mother in Ireland	1
Total	2

Birthplaces of fathers of twins :

Boston	26	<i>Brought forward</i>	90	53
United States, out of		Russia	15	
Boston	27	Norway	1	
Total American	— 53	Sweden	5	
Ireland	41	Austria	2	
Br. Amer. Provinces	17	France	2	
England	6	Denmark	2	
Scotland	3	Belgium	1	
Germany	4	Total foreign	— 118	
Italy	19	Unknown	2	
<i>Carried forward</i>	90 53	Total fathers		173

Birthplaces of mothers of twins :

Boston	25	<i>Brought forward</i>	78	52
United States, out of		Italy	18	
Boston	27	Russia	13	
Total American	— 52	Norway	3	
Ireland	46	Sweden	5	
Br. Amer. Provinces	20	Austria	2	
England	6	France	1	
Scotland	1	Denmark	1	
Germany	5	Total foreign	— 121	
<i>Carried forward</i>	78 52	Total mothers		173

The American-born fathers of twins are 30.64 per cent. of the whole number of fathers. The Irish-born fathers of twins are 23.12 per cent. of the whole number of fathers, and 34.9 per cent. of the foreign-born fathers. The Italian-born fathers of twins are 10.98 per cent. of the whole number of fathers, and 16.1 per cent. of the foreign-born fathers. The fathers of twins who were born in the British American Provinces are 9.82 per cent. of the whole number of fathers, and 14.40 per cent. of the foreign-born fathers. The Russian-born fathers of twins were 8.67 per cent. of the whole number of fathers, and 12.71 per cent. of the foreign-born fathers.

The American-born mothers of twins are 30.05 per cent. of the whole number of mothers. The Irish-born mothers of twins are 26.59 per cent. of the whole number of mothers, and 38.01 per cent. of the foreign-born mothers. The mothers of twins who were born in the British American Provinces are 11.56 per cent. of the whole number of mothers, and 16.52 per cent. of the foreign-born mothers. The Italian-born mothers of twins are 10.40 per cent. of the whole number of mothers, and 14.87 per cent. of the foreign-born mothers. The Russian-born mothers of twins are 7.51 per cent. of the whole number of mothers, and 10.74 per cent. of the foreign-born mothers.

There were 20 cases of twins of mixed (American and foreign) parentage; in 11 of these the father was American and the mother foreign; and in 9 cases the mother was American and the father foreign.

Plurality Births in Public Institutions.

There were 11 cases of twin births in public institutions; of these, 4 were both males, 2 were both females, and in 5 there was one of each sex.

The ratio of plurality births to single births was 1 in each 93.

STILL-BIRTHS IN BOSTON, 1900.

There were 675 still-born children registered in this office in the year 1900.

Sex.—There were 412 males, 243 females, and of 20 the sex was not known, or not given.

Color.—645 were white, 12 colored, and of 18 the color was not given.

Season.—

	Males.	Females.	Unknown.	Total.
January	34	26	2	62
February	32	19	—	51
March	56	14	1	71
	—	—	—	—
First quarter	122	59	3	184
April	41	23	2	66
May	28	24	1	53
June	28	13	4	45
	—	—	—	—
Second quarter	97	60	7	164

	Males.	Females.	Unknown.	Total.
July	28	26	3	57
August	28	19	1	48
September	30	23	1	54
Third quarter	86	68	5	159
October	40	17	3	60
November	33	19	1	53
December	34	20	1	55
Fourth quarter	107	56	5	168

The greatest number in any month was 71, in March. This is 10.53 per cent. of the whole number of still-births. The least number in any month was 45, in June, or 6.67 per cent.

The greatest number for any quarter-year period was 184, in the first quarter of the year, or 27.26 per cent. The least number for any quarter-year period was 159, in the third quarter of the year, or 23.55 per cent.

The proportion of still-born children to the whole number of births (including still-borns) was 3.96 per cent., or 1 in every 25.22.

The proportion of still-born children to the population of Boston was 0.13 per cent., or 1 in every 831, or 1.20 for every 1,000 of population.

Parentage.

The following table shows the parentage of the 675 still-born children in 1900. The first mentioned country in each instance is the birthplace of the father. "American" includes United States, except Boston. Nativities are abbreviated as follows: Bos., Boston; Am., American; Ire., Ireland; G. B., Great Britain; Ger., Germany; It., Italy; Rus., Russia; B. A. P., British American Provinces; N. and S., Norway and Sweden; Aus., Austria; and O. F., other foreign countries.

One or both Parents Boston, or American Born.

Both parents Bos.	42	Both parents Am.	59
Bos. and Am.	19	Am. and Bos.	27
" " B. A. P.	11	" " B. A. P.	14
" " G. B.	5	" " G. B.	4
" " Ire.	21	" " Ire.	11
" " N. and S.	2	" " N. and S.	1
G. B. and Bos.	6	G. B. " Am.	4
Ire. " "	3	Ire. " "	8
B. A. P. and Bos.	9	B. A. P. and Am.	7
Ger. and Bos.	1	Ger. and Am.	3
It. " "	1	It. " "	1
N. and S. and Bos.	1	Rus. " "	2
O. F. " "	2	O. F. " "	1
	123		142

Both Parents Foreign, and Born in Same Country.

Ire.	110	It.	59
B. A. P.	34	G. B.	6
Ger.	8	Aus.	1
N. and S.	13	O. F.	7
Rus.	70		
	235		73

Both Parents Foreign, and Born in Different Countries.

Great Britain and British American Provinces	7
“ “ “ Ireland	5
“ “ “ Norway and Sweden	2
“ “ “ Russia	1
Italy and Ireland	1
Norway and Sweden and Ireland	1
Other foreign countries and Great Britain	1
“ “ “ “ British American Provinces	1
“ “ “ “ Norway and Sweden	1
British American Provinces and Great Britain	3
“ “ “ “ Ireland	8
Ireland and British American Provinces	1
“ “ Great Britain	1
Germany and Ireland	1
“ “ Norway and Sweden	1
Russia and Great Britain	1
	36

One or both Parents of Unknown Nativity.

Both unknown	31
Unknown and Boston	9
“ “ American	12
Boston and Unknown	2
American and Unknown	1
Unknown and Ireland	4
“ “ British American Provinces	4
“ “ Great Britain	2
Italy and Unknown	1
	66

The number and proportion of children born by mothers of different nativities in 1900 were as follows:

	Number of Children.	Per cent.
Of American mothers	5,692	34.81
“ Irish “	3,938	24.08
“ Russian “	1,318	8.06
“ Italian “	1,251	7.65
“ All other foreign mothers	4,121	25.20

The next table shows the same facts concerning the 675 still-born children in 1900 :

	Still-born Children.	Per cent.
Of American mothers	219	32.44
“ Irish “	157	23.26
“ Russian “	72	10.66
“ Italian “	59	8.74
“ All other foreign mothers . .	137	20.29

The proportion of still-born children to the whole number of children born of mothers of each class in 1900 is shown by the following table :

	Whole Number of Children.	Still-born Children.	Percentage of Still-born.	Or One in each.
American mothers .	5,692	219	3.85	26
Irish “ .	3,938	157	3.98	25
Russian “ .	1,318	72	5.46	18
Italian “ .	1,251	59	4.71	21
All other foreign mothers,	4,121	137	3.32	30

APPENDIX.

NUMBER OF BIRTHS, MARRIAGES, MARRIAGE INTENTIONS, AND DEATHS, RECORDED FROM 1849 TO 1900, WITH ALL ADDITIONS AND CORRECTIONS TO DATE.

YEAR.	Births.	Marriages.	Marriage Intentions.	Deaths.	Population.
1849.....	5,091	* 768	2,287	5,329	132,048
1850.....	5,298	2,542	2,557	3,668	136,881
1851.....	5,367	2,895	2,953	3,856	141,308
1852.....	5,339	2,735	2,877	3,736	145,878
1853.....	5,633	2,873	3,092	4,284	150,595
1854.....	5,724	3,170	3,329	4,443	155,464
1855.....	5,848	2,901	3,061	4,085	160,494
1856.....	5,971	2,615	2,914	4,258	163,820
1857.....	5,925	2,494	2,683	3,959	167,218
1858.....	5,674	2,234	2,318	3,841	170,685
1859.....	5,971	2,531	2,629	3,738	174,227
1860.....	5,898	2,531	2,618	4,390	177,840
1861.....	5,825	2,172	2,300	3,965	180,646
1862.....	5,346	2,141	2,256	4,125	183,497
1863.....	5,283	2,364	2,505	4,701	186,390
1864.....	5,015	2,801	2,960	5,115	189,331
1865.....	5,363	2,772	2,866	4,515	192,318
1866.....	5,570	2,873	3,019	4,382	194,506
1867.....	5,926	2,938	3,200	4,422	227,523
1868.....	7,416	3,253	3,578	5,520	231,024
1869.....	7,441	3,390	3,874	5,524	246,541
1870.....	8,144	3,528	3,991	6,100	250,526
1871.....	8,577	3,769	4,288	5,892	258,032
1872.....	9,345	3,858	4,424	8,091	265,764
1873.....	9,765	3,943	4,549	7,869	321,200
1874.....	11,786	4,090	4,690	7,813	331,395
1875.....	11,135	3,489	3,988	8,958	341,919
1876.....	10,878	3,010	3,391	8,203	346,004
1877.....	10,623	2,917	3,348	7,284	350,138
1878.....	10,283	3,069	3,450	7,677	354,322

* The Marriage Record of 1849 began July 26. Intentions, January 1.

NUMBER OF BIRTHS, ETC. — *Concluded.*

YEAR.	Births.	Marriages.	Marriage Intentions.	Deaths.	Population.
1879.....	10,372	3,238	3,656	7,435	358,554
1880.....	10,749	3,673	4,182	8,612	362,839
1881.....	10,640	4,075	4,549	9,097	368,190
1882.....	11,116	4,237	4,756	9,017	373,620
1883.....	11,410	4,339	4,880	9,747	379,129
1884.....	11,595	4,197	4,699	9,623	384,720
1885.....	11,598	4,277	4,766	9,622	390,393
1886.....	12,085	4,502	5,130	9,265	401,374
1887.....	12,307	4,832	5,451	10,077	412,663
1888.....	12,808	4,958	5,745	10,200	424,274
1889.....	13,000	5,211	5,862	10,259	436,208
1890.....	13,355	5,296	6,029	10,179	448,477
1891.....	14,552	5,518	6,302	10,573	457,772
1892.....	15,197	5,728	6,516	11,241	467,260
1893.....	14,671	5,770	6,564	11,713	476,945
1894.....	15,451	5,472	6,251	11,531	486,830
1895.....	15,680	5,951	6,799	11,331	496,920
1896.....	16,531	6,318	7,043	11,650	516,305
1897.....	16,993	6,063	6,790	11,170	528,912
1898.....	16,688	5,908	6,535	10,903	541,827
1899.....	16,266	6,195	6,975	11,178	555,057
1900.....	16,351	6,049	6,912	11,670	560,892

Births.

YEAR.	Population.	Males.	Females.	Difference.	Total.	Still-born.	Total.	Proportion to Population.	
								One to every	Per cent.
1849.....	132,048	2,604	2,487	+117	5,091	250	5,341	25.9	3.85
1850.....	136,881	2,693	2,605	+88	5,298	256	5,554	25.8	3.87
1851.....	141,308	2,806	2,561	+245	5,367	251	5,618	26.3	3.79
1852.....	145,878	2,668	2,671	—3	5,339	236	5,575	27.3	3.66
1853.....	150,595	2,835	2,798	+37	5,633	221	5,854	26.7	3.74
1854.....	155,464	2,957	2,767	+190	5,724	276	6,000	27.1	3.67
1855.....	160,494	3,021	2,827	+194	5,848	228	6,076	27.4	3.64
1856.....	163,820	3,073	2,898	+175	5,971	273	6,244	27.4	3.64
1857.....	167,218	3,000	2,925	+75	5,925	271	6,196	28.2	3.54
1858.....	170,685	2,887	2,787	+100	5,674	249	5,923	30.0	3.32
1859.....	174,227	3,044	2,927	+117	5,971	292	6,263	29.1	3.42
1860.....	177,840	2,985	2,913	+72	5,898	376	5,274	30.1	3.31
1861.....	180,646	3,016	2,809	+207	5,825	350	6,175	31.0	3.22
1862.....	183,497	2,736	2,610	+126	5,346	361	5,707	34.3	2.91
1863.....	186,390	2,717	2,566	+151	5,283	361	5,644	35.2	2.83
1864.....	189,331	2,652	2,363	+289	5,015	351	5,366	37.7	2.64
1865.....	192,318	2,758	2,602	+156	5,363	373	5,733	35.8	2.78
1866.....	194,506	2,827	2,748	+79	5,575	397	5,972	34.8	2.86
1867.....	227,523	2,993	2,933	+60	5,926	408	6,334	38.3	2.60
1868.....	231,024	3,746	3,670	+76	7,416	482	7,898	31.1	3.21
1869.....	246,541	3,802	3,639	+163	7,441	477	7,918	33.1	3.01
1870.....	250,526	4,183	3,961	+222	8,144	504	8,648	30.7	3.25
1871.....	258,032	4,373	4,204	+169	8,577	543	9,120	30.1	3.32
1872.....	265,764	4,745	4,600	+145	9,345	560	9,905	28.4	3.51
1873.....	321,200	4,941	4,824	+117	9,765	515	10,280	32.8	3.04
1874.....	331,395	6,064	5,722	+342	11,786	642	12,428	28.1	3.55
1875.....	341,919	5,708	5,427	+281	11,135	541	11,676	30.7	3.25
1876.....	346,004	5,607	5,271	+336	10,878	491	11,369	31.8	3.14
1877.....	350,138	5,370	5,253	+117	10,623	469	11,092	33.0	3.03
1878.....	354,322	5,267	5,016	+251	10,283	447	10,730	34.4	2.90
1879.....	358,554	5,339	5,033	+306	10,372	457	10,829	34.5	2.89
1880.....	362,839	5,483	5,266	+217	10,749	435	11,184	33.7	2.96
1881.....	368,190	5,396	5,244	+152	10,640	548	11,188	34.6	2.89
1882.....	373,620	5,729	5,385	+344	11,114	520	11,634	33.6	2.98
1883.....	379,129	5,392	5,478	+454	11,410	509	11,919	33.2	3.00
1884.....	384,720	5,940	5,655	+285	11,595	516	12,111	33.1	3.00

Births — Concluded.

YEAR.	Population.	Males.	Females.	Difference.	Total.	Still-born.	Total.	Proportion to Population.	
								One to every	Per cent.
1885.....	390,393	6,004	5,593	+411	11,597	523	12,120	33.6	2.97
1886.....	401,374	6,237	5,848	+389	12,085	557	12,642	33.2	3.01
1887.....	412,663	6,307	6,000	+307	12,307	535	12,842	33.5	2.98
1888.....	424,274	6,597	6,211	+386	12,808	571	13,379	33.1	3.01
1889.....	436,208	6,781	6,220	+561	13,001	608	13,609	33.5	2.98
1890...	448,477	6,862	6,493	+369	13,355	636	13,991	33.5	2.97
1891.....	457,772	6,573	7,216	—643	13,789	625	14,414	33.1	3.01
1892.....	467,260	7,616	7,596	+30	15,212	644	15,856	30.7	3.25
1893.....	476,945	7,503	7,169	+334	14,672	645	15,317	32.5	3.07
1894.....	486,830	7,940	7,511	+429	15,451	721	16,172	31.5	3.17
1895.....	496,920	7,973	7,707	+266	15,680	625	16,305	31.6	3.15
1896.....	516,305	8,462	8,069	+393	16,531	688	17,219	31.2	3.20
1897.....	528,912	8,618	8,375	+243	16,993	640	17,633	31.1	3.21
1898.....	541,827	8,400	8,289	+111	16,689	650	17,339	32.4	3.08
1899.....	555,057	8,324	7,942	+382	16,266	614	16,880	34.1	2.93
1900.....	560,892	8,376	7,975	+401	16,351	671	17,022	34.3	2.91

Deaths.

1851.....	141,308	1,966	1,889	+ 77	3,855	251	4,106	37	2.73
1852.....	145,878	1,902	1,834	+ 68	3,736	236	3,972	39	2.56
1853.....	150,595	2,203	2,081	+122	4,284	221	4,505	35	2.84
1854	155,464	2,295	2,148	+148	4,443	243	4,686	35	2.85
1855.....	160,494	2,087	1,998	+ 89	4,085	228	4,313	39	2.43
1856.....	163,820	2,224	2,034	+188	4,258	273	4,531	38	2.60
1857.....	167,218	2,077	1,882	+195	3,959	271	4,230	42	2.37
1858.....	170,685	1,935	1,906	+ 29	3,841	249	4,090	44	2.25
1859.....	174,227	1,911	1,827	+ 84	3,738	292	4,030	47	2.20
1860.....	177,840	2,229	2,161	+ 67	4,390	376*	4,766	41	2.47
1861.....	180,646	1,957	2,008	— 51	3,965	350*	4,315	46	2.19
1862.....	183,497	2,089	2,037	+ 52	4,126	361	4,487	45	2.25
1863..	186,390	2,434	2,267	+167	4,701	361	5,062	40	2.52
1864.....	189,331	2,667	2,448	+219	5,115	351	5,466	37	2.70
1865.....	192,318	2,328	2,213	+115	4,541†	373	4,914	42	2.36

* Approximate.

† Exclusive of 10 soldiers who died at Gallop's Island and were not recorded until the year 1869.

Deaths. — *Concluded.*

YEAR.	Population.	Males.	Females.	Difference.	Total.	Still-born.	Total.	Proportion to Population.	
								One in	Per cent.
1866.....	194,506	2,234	2,148	+ 86	4,382	397	4,779	44	2.25
1867.....	227,523	2,263	2,159	+104	4,422	468	4,830	51	1.94
1868.....	231,024	2,862	2,658	+204	5,520	482	6,002	42	2.38
1869.....	246,541	2,774	2,750	+ 24	5,524	477	6,001	45	2.24
1870.....	250,526	3,105	2,995	+110	6,100	504	6,604	41	2.43
1871.....	258,032	2,959	2,933	+ 24	5,892	543	6,435	44	2.28
1872.....	265,764	4,218	3,873	+345	8,091	560	8,651	33	3.04
1873.....	321,200	4,099	3,770	+329	7,869	515	8,384	41	2.45
1874.....	331,395	3,957	3,856	+101	7,813	642	8,455	42	2.35
1875.....	341,919	4,504	4,454	+ 50	8,958	541	9,499	38	2.62
1876.....	346,004	4,110	4,093	+ 17	8,203	491	8,694	42	2.37
1877.....	350,138	3,680	3,604	+ 76	7,284	469	7,753	48	2.08
1878.....	354,322	3,741	3,936	—195	7,677	447	8,124	46	2.17
1879.....	358,554	3,675	3,760	— 85	7,435	457	7,892	48	2.07
1880.....	362,839	4,209	4,403	—194	8,612	435	9,047	42	2.37
1881.....	368,190	4,574	4,523	+ 51	9,097	548	9,145	41	2.47
1882.....	373,620	4,495	4,522	— 27	9,017	520	9,537	41	2.41
1883	379,129	4,866	4,881	— 15	9,747	509	10,256	39	2.57
1884.....	384,720	4,819	4,804	+ 15	9,623	516	10,139	40	2.50
1885.....	390,393	4,826	4,796	+ 30	9,622	523	10,145	41	2.46
1886.....	401,374	4,677	4,588	+ 89	9,265	557	9,822	43	2.30
1887.....	412,663	5,096	4,981	+115	10,077	535	10,612	41	2.44
1888.....	424,274	5,162	5,038	+124	10,200	571	10,771	42	2.40
1889.....	436,208	5,246	5,013	+233	10,259	608	10,867*	43	2.35
1890.....	448,477	5,118	5,061	+ 57	10,179	636	10,815	44	2.27
1891.....	457,772	5,381	5,192	+189	10,573	625	11,198	43	2.31
1892.....	467,260	5,664	5,576	+ 88	11,240	644	11,884	42	2.40
1893.....	476,945	6,016	5,697	+319	11,713	645	12,358	40	2.45
1894.....	486,830	5,988	5,543	+445	11,531	721	12,252	42	2.37
1895*.....	496,920	5,862	5,469	+393	11,331	625	11,956	43	2.28
1896.....	516,305	6,097	5,553	+544	11,650	688	12,338	44	2.25
1897.....	528,912	5,658	5,512	+146	11,170	640	11,810	47	2.11
1898.....	541,827	5,597	5,306	+291	10,903	650	11,553	50	2.00
1899.....	555,057	5,768	5,410	+358	11,178	614	11,792	50	2.00
1900.....	560,892	5,984	5,686	+298	11,670	671	12,341	47	2.08

* Population in 1895 according to Board of Health table is 501,083.

Table showing the Influences of the Different Years on the Number of the Deaths, Distinguishing the Males from the Females, and the Stillborn, and the Proportion to the Population.

YEAR.	POPULATION.	DEATHS.						PROPORTION TO POPULATION.	
		Males.	Females.	Difference.	Total.	Still-born.	Total.	One in	Per cent.
1811.....	34,255	373	375	—2	748	46	794	45	2.18
1812.....	35,260	286	347	—61	633	48	681	55	1.85
1813.....	36,264	416	334	+82	750	36	786	48	2.06
1814.....	37,269	367	328	+39	695	32	727	52	1.86
1815.....	38,274	407	433	—16	830	21	851	46	2.16
1816.....	39,279	440	433	+7	873	31	904	45	2.22
1817.....	40,284	453	422	+31	875	33	908	46	2.17
1818.....	41,288	486	439	+47	927	46	971	44	2.23
1819.....	42,293	423	366	+57	789	89	878	53	1.86
1820.....	43,298	505	509	—4	1,014	89	1,103	42	2.31
Mean.		415.6	397.6	+180	813.2	47.1	860.3	47	2.09
1821.....	46,295	678	643	+35	1,321	99	1,420	35	2.85
1822.....	49,291	570	518	+52	1,088	115	1,203	45	2.20
1823.....	52,288	531	514	+17	1,045	109	1,154	50	1.99
1824.....	55,284	623	585	+38	1,208	89	1,297	45	2.18
1825.....	58,281	692	670	+22	1,362	88	1,450	42	2.33
1826.....	58,903	623	544	+79	1,167	87	1,254	50	1.98
1827.....	59,525	495	444	+51	939	83	1,022	63	1.57
1828.....	60,147	603	556	+47	1,159	74	1,233	51	1.92
1829.....	60,769	600	556	+44	1,156	65	1,221	52	1.90
1830.....	61,392	532	493	+39	1,025	100	1,125	59	1.66
Mean.		594.7	552.3	+424	1,147.0	90.9	1,237.9	49	2.05
1831.....	64,834	676	677	—1	1,353	71	1,424	47	2.08
1832.....	68,276	840	835	+5	1,675	86	1,761	40	2.45
1833.....	71,780	679	695	—16	1,374	102	1,476	52	1.91
1834.....	75,160	765	675	—10	1,440	114	1,554	52	1.91
1835.....	78,603	991	828	+163	1,819	95	1,914	43	2.31
1836.....	79,464	831	817	+14	1,648	122	1,770	48	2.07
1837.....	80,325	875	868	+7	1,743	100	1,843	46	2.16
1838.....	81,186	937	862	+75	1,799	121	1,920	45	2.21
1839.....	82,215	863	859	+4	1,722	141	1,863	44	2.23
Mean.		745.7	711.6	+241	1,457.3	95.2	1,552.5	45	2.14
1840.....	84,311	951	890	+61	1,841	131	1,972	46	2.18
1841.....	89,614	927	856	+71	1,783	136	1,919	50	1.98
1842.....	95,251	1,146	1,120	+26	2,266	166	2,432	42	2.38
1843.....	101,242	986	1,022	—36	2,008	189	2,197	51	1.98
1844.....	107,610	1,015	1,039	—24	2,054	187	2,241	52	1.90
1845.....	114,366	1,182	1,158	+24	2,340	245	2,585	48	2.04
1846.....	118,551	1,614	1,472	+142	3,086	303	3,389	39	2.60
1847.....	122,890	2,077	1,776	+301	3,853	269	4,122	32	3.13
1848.....	127,387	1,915	1,749	+166	3,664	308	3,972	35	2.86
1849.....	132,048	2,604	2,475	+129	5,079	250	5,329	26	3.84
1850.....	136,881	1,887	1,780	+107	3,667	256	3,923	37	2.68

NOTE. — Vital Statistics of Boston — Shattuck. Page 19.

OUT OF TOWN MARRIAGES.

(4 Volumes.)

Year.	No.	Year.	No.	Year.	No.
1854 to 1867.....	290	1878.....	234	1890.....	617
1867.....	195	1879.....	262	1891.....	595
1868.....	164	1880.....	331	1892.....	681
1869.....	187	1881.....	388	1893.....	826
1870.....	209	1882.....	440	1894.....	779
1871.....	244	1883.....	430	1895.....	879
1872.....	280	1884.....	452	1896.....	921
1873.....	249	1885.....	456	1897.....	848
1874.....	244	1886.....	551	1898.....	840
1875.....	230	1887.....	539	1899.....	985
1876.....	198	1888.....	578	1900.....	1,010
1877.....	211	1889.....	594		

OUT OF TOWN DEATHS.

(3 Volumes.)

Year.	No.	Year.	No.	Year.	No.
1853.....	163	1869.....	55	1885.....	20
1854.....	142	1870.....	54	1886.....	15
1855.....	73	1871.....	57	1887.....	9
1856.....	103	1872.....	55	1888.....	8
1857.....	79	1873.....	65	1889.....	135
1858.....	88	1874.....	23	1890.....	136
1859.....	99	1875.....	70	1891.....	141
1860.....	90	1876.....	37	1892.....	202
1861.....	88	1877.....	25	1893.....	216
1862.....	99	1878.....	25	1894.....	219
1863.....	108	1879.....	16	1895.....	233
1864.....	107	1880.....	27	1896.....	277
1865.....	70	1881.....	23	1897.....	318
1866.....	56	1882.....	19	1898.....	400
1867.....	57	1883.....	14	1899.....	487
1868.....	55	1884.....	24	1900.....	445

CATALOGUE BOOKS OF RECORD — 1630-1900.

1. ORIGINAL COUNTY RECORD — Boston, Braintree, Cambridge, Charlestown, Concord, Dedham, Dorchester, Hingham, Medfield, Roxbury, Sudbury, Watertown, Weymouth, Woburn, Springfield (?)

This volume comprises —

Births, 1630-1666; Marriages, 1651-1662; Deaths, 1630-1664.

It is preserved in silk (Emery process) and bound in black Morocco.

- 1a. TRANSCRIPT OF COUNTY RECORD — written on parchment, with full sheep binding.

This book was transcribed from original in 1856.

2. ORIGINAL VOLUME OF BIRTHS AND DEATHS, 1630-1690.

This book contains all the births recorded in Volume 1, and all additional births from 1666 to 1689. Preserved in silk (Emery process), blue Morocco binding.

- 2a. INDEX TO THE ABOVE.

3. ORIGINAL VOLUME OF BIRTHS, MARRIAGES AND DEATHS, 1690-1696.

Small book, preserved in silk (Emery process), dark brown Morocco binding.

4. ORIGINAL VOLUME, containing —

Births, 1693-1696; Marriages, 1695-1697; Deaths, 1693-1696.

Small book, preserved in silk (Emery process), black Morocco binding.

5. ORIGINAL VOLUME: BIRTHS, 1689-1744; DEATHS, 1721-1744.

Large book, preserved in silk (Emery process), brown Morocco binding.

- 5a. TRANSCRIPT CONTAINING BIRTHS, 1635-1744.

Large book, sheep binding.

6. ORIGINAL VOLUME OF DEATHS, 1689-1720.

Small book, preserved in silk (Emery process), black Morocco binding.

7. ORIGINAL VOLUME, containing —

Births, 1728-1817; Deaths, 1733-1820.

Preserved in silk (Emery process), dark red Morocco binding.

8. ORIGINAL VOLUME OF BIRTHS, 1810-1849.

Dark brown half Morocco binding.

9. ORIGINAL VOLUME OF MARRIAGES, 1689-1720.

Preserved in silk (Emery process), red Morocco binding.

10. ORIGINAL VOLUME OF MARRIAGES OF THE SUFFOLK COUNTY COURT, 1716-1731.
Large book, Vellum binding.
11. ORIGINAL VOLUME OF MARRIAGES, 1721-1751.
Preserved in silk (Emery process), red Morocco binding.
12. ORIGINAL VOLUME OF MARRIAGES, 1761-1809.
Preserved in silk (Emery process), red Morocco binding.
- 12a. TRANSCRIPT OF MARRIAGE RECORD, 1761-1807.
Red half Morocco binding.
13. A VOLUME OF ORIGINAL MARRIAGE RETURNS, 1699-1751.
Red half Morocco binding.
14. A VOLUME OF ORIGINAL MARRIAGE RETURNS, 1760-1814.
Red half Morocco binding.
15. ORIGINAL VOLUME OF MARRIAGES, 1807-1828.
Red half Morocco binding.
16. ORIGINAL VOLUME OF MARRIAGES, 1825-1840.
Red half Morocco binding.
17. ORIGINAL VOLUME OF MARRIAGES, 1841-1849.
Red half Morocco binding.
18. OUT OF TOWN MARRIAGES, PRIOR TO 1800.
Transmitted to the City Registrar of Boston by the Clerks of the various towns of Massachusetts, by order of the General Court, Acts of 1857, chapter 84, section 4. These marriages are printed in Volume 30 of the Record Commissioner's Reports.
19. PRINTED NOTICES OF MARRIAGE INTENTIONS, 1809-1818.
Red half Morocco binding.
These are included in Volume 8 (Marriage Intentions, 1807-1817).
- NOTE. — NINE VOLUMES OF MARRIAGE INTENTIONS, 1707-1823.
Small books, green Morocco binding.

EIGHT VOLUMES, MARRIAGE INTENTIONS, 1823-1849.
Half Russia binding.

SIX VOLUMES OF MARRIAGES, ORIGINAL RETURNS, 1800-1849.
Half Russia binding.

EIGHT VOLUMES, INDEXES TO MARRIAGE INTENTIONS, 1807-1849.
Green half Morocco binding.

THREE VOLUMES OF DEATHS, ORIGINALS, 1810-1821.
20. North District.
21. Middle District.
22. South District.
Small books, black half Morocco binding.

FOUR VOLUMES OF DEATHS, ORIGINALS, 1821-1836.

23. North District, 1821-1832.
24. Middle District, 1821-1832.
25. South District, 1821-1832.
26. January, 1833, to December 5, 1836.
Large books, black half Morocco binding.

FOUR VOLUMES OF DEATHS, ORIGINALS, 1836-1848, inclusive.

27. December 6, 1836, to September 7, 1840.
28. September 7, 1840, to December 31, 1843.
29. January, 1844, to August 31, 1846.
30. September, 1846, to December 31, 1848.
Large books, black half Morocco binding.

NOTE. — TWO VOLUMES OF DEATHS, TRANSCRIPT OF THE ORIGINALS, 1817-1824.

Large books, black half Morocco binding.

NOTE. — THREE VOLUMES, INDEXES, 1810-1846.

1810-1824; 1825-1835; 1835-1846.

Large books, sheep binding.

NINE VOLUMES OF ORIGINAL TOWN PAPERS — Miscellaneous, 1637-1832.

Large books, gray canvass binding.

CATTLE BOOK, 1693.

Small book, black Morocco binding

SIX VOLUMES OF INDENTURES — Scrap Books, 1734-1805.

Large books, black Morocco binding.

IMMIGRANTS, 1763-1769.

Small book, brown half Morocco binding.

STATISTICS OF MORTALITY, 1810-1849.

Small book, quarter Russia binding.

PRINTED NOTICES OF INTENTIONS OF MARRIAGES (for posting) — Scrap-book, 1834-1849. Paper binding, black back.

ONE VOLUME, RECORD AND INDEX OF REMOVALS, 1857-1859.

Brown quarter Russia binding.

ORIGINAL VOLUME OF MARRIAGES, First Universalist Church, by Paul Dean, 1813-1840.

Small book, Russia binding.

In addition to the Marriage Records are the original certificates from 1849 to 1900, and Out of Town Certificates from 1880 to 1900.

From 1849 to 1857 these certificates are bound in scrap books, with red canvass bindings — 1849, one volume; 1850 to 1857 (inclusive), 2 volumes each.

From 1858 to 1892 these certificates are not bound.

From No. 3758 (Boston), and No. 682 (Out of Town), of 1892 to 1900, these certificates are bound in book form of 500 each, making 12 vols. annually of Boston certificates and 2 vols. annually of Out of Town certificates. They are bound in half Morocco for 1892, and full red canvass from 1893 to 1900.

45 volumes (numbered 18 to 62) Notices of Intentions of Marriages from 1849 to 1892, inclusive, half Russia binding.

From 1893 to 1900, inclusive, 96 volumes, red, half morocco binding.

Besides these there are the original marriage certificates of Brighton, 1857 to 1874; Charlestown, 1847 to 1873; Roxbury, 1849 to 1868; and West Roxbury, 1863.

Brighton.

1. BIRTHS, MARRIAGES, MARRIAGE INTENTIONS, DEATHS AND BAPTISMS (1771-1815), ORIGINAL.
Small book, sheep binding.
2. BIRTHS AND DEATHS (1817-1845), ORIGINAL.
With appendix of Genealogies, Tax List (1752) and Voting List (1816), sheep binding.
3. INDEX OF MARRIAGES (March 22, 1817, to March 26, 1858), MARRIAGES (April 11, 1816, to Sept. 21, 1843), ORIGINAL.
Sheep binding.
4. ORIGINAL VOLUME, containing —
Births (June 10, 1844, to Aug. 20, 1855), Deaths (June 10, 1843-1854).
Marriages (June 1, 1843, to May 10, 1855).
Quarter sheep binding.
5. ORIGINAL VOLUME OF BIRTHS, 1855-1874.
Large book, quarter sheep binding.
6. ORIGINAL VOLUME OF MARRIAGES, 1855-1874.
Large book, quarter sheep binding.
7. ORIGINAL VOLUME OF DEATHS, Jan. 1, 1854-1874.
Large book, quarter sheep binding.

Charlestown.

1. ORIGINAL VOLUME OF BIRTHS, MARRIAGES AND DEATHS (2 Parts).
Part 1. 1662-1720.
Part 2. 1720-1795.
These books are preserved in silk (Emery process), dark red Russia binding.
2. ORIGINAL VOLUME OF BIRTHS, MARRIAGES AND DEATHS (2 Parts).
1800-1843.
Part 1. Page 1-367. Preserved in silk (Emery process).
Part 2. Page 369-496.
Black Morocco binding.
3. ORIGINAL VOLUME OF MARRIAGES (marked Vol. 8). 1843-1848.
Large book, black Morocco binding.

ORIGINAL VOLUME OF DEATHS (marked Vol. 11), 1843-1849.
Large book, Russia binding.

ORIGINAL VOLUME OF DEATHS (marked Vol. 12), 1849-1860.
Russia binding.

ORIGINAL VOLUME OF DEATHS, 1848-1859.
Large book, quarter sheep binding.

ORIGINAL VOLUME OF DEATHS, 1863-1873.
Large book, half Russia binding.

ORIGINAL VOLUME OF DEATHS, 1873-1874 (to annexation).
Large book, half Russia binding.

FIVE VOLUMES OF MARRIAGE INTENTIONS (ORIGINALS), marked
14, 15, 16, 17, 18.

1725-1873.

14. 1725-1826.

15. 1826-1849.

16. 1849-1858.

17. 1858-1864.

18. 1864-1873.

Large books, Russia binding.

INDEXES (4 Vols).

Marriage Intentions (1826-1873).

Births (1843-1873).

Marriages (1843-1873).

Deaths (1843-1873).

Russia bindings.

Dorchester.

1. ORIGINAL VOLUME OF BIRTHS, MARRIAGES AND DEATHS (marked
1646-1682), should be 1646-1683.

Small book, preserved in silk (Emery process), green Morocco binding.

2. TRANSCRIPT OF THE ABOVE—made in 1767, with additions.

Small book, Vellum binding.

3. TRANSCRIPT OF BIRTHS, MARRIAGES AND DEATHS, 1631-1683.

Transcribed in 1843 by Edward Holden.

Small book, Russia binding.

4. ORIGINAL VOLUME OF BIRTHS, MARRIAGES AND DEATHS, 1684-1744.

Small book, Russia binding.

5. ORIGINAL VOLUME, BIRTHS, MARRIAGES AND DEATHS, 1745-1825.

Large book, Russia binding.

6. ORIGINAL VOLUME, BIRTHS, MARRIAGES AND DEATHS (marked
1825-1844), should be 1826-1844.

Large book, Russia binding.

7. ORIGINAL VOLUME, BIRTHS, MARRIAGES AND DEATHS, 1844-1849.

Large book, half green Morocco binding.

8. ORIGINAL VOLUME, 1798-1849 — (Publishments).

Sheep binding.

9. "OLD BOOK OF RECORDS"—1633-1720.

Transcribed from the Original by Thaddeus Mason Harris, in 1834.
Russia binding.

ORIGINAL VOLUME, "TOWN RECORDS," 1632-1722.

Large book, preserved in silk (Emery process), brown half Morocco binding.

ORIGINAL VOLUME, "TOWN RECORDS," 1651-1725.

Large book, preserved in silk (Emery process), brown half Morocco binding.

ONE VOLUME "ANCIENT PAPERS AND DOCUMENTS OF THE TOWN OF DORCHESTER," 1638-1766.

Presented by Thaddeus Mason Harris, July 7, 1838, quarter sheep binding.

Roxbury.

ORIGINAL VOLUME, BIRTHS, MARRIAGES AND DEATHS, 1630-1785.

Preserved in silk (Emery process); dark red Morocco binding.

ORIGINAL VOLUME, BIRTHS AND DEATHS, 1785-1844.

Brown half Morocco binding.

ORIGINAL VOLUME, MARRIAGES AND PUBLISHMENTS, 1785-1846.

Brown half Morocco binding.

ORIGINAL VOLUME, MARRIAGE INTENTIONS, 1846-1868.

Russia binding.

OUT OF TOWN MARRIAGES OF RESIDENTS OF ROXBURY, 1671-1799.

This book was transcribed from returns made by the clerks of the various cities and towns in Massachusetts, by act of the General Court of 1857, chapter 84, section 4, in 1858.

West Roxbury.

ORIGINAL VOLUME, BIRTHS, 1851-1873.

Quarter sheep binding, large book.

ORIGINAL VOLUME, MARRIAGES, 1851-1873.

Quarter sheep binding, large book.

TWO ORIGINAL VOLUMES, MARRIAGE INTENTIONS.

First. — (1851-1871) Small book, quarter sheep binding.

Second. — (1872-1874) Small book, quarter sheep binding.

ORIGINAL VOLUME, DEATHS, 1851-1873.

Quarter sheep binding, large book.

BOSTON.

Births.

One Volume, covering the period between 1726 and 1814. This book is arranged alphabetically, and is bound in half Russia.

One Volume, embracing the period from 1800 to 1849, alphabetically arranged, and bound in brown, half Morocco.

Forty-five Volumes (one Vol. annually), covering the period from 1849 to 1893.

Fourteen Volumes (two Vols. annually), covering the period from 1894 to 1900. These books are bound in brown, half Morocco.

Three Volumes, Indexes (Consolidated), from 1849 to 1869. 1st, A to G; 2nd, H to M; 3rd, N to Z.

Three Volumes, Indexes (Consolidated), from 1870 to 1881. 1st, A to G; 2nd, H to M; 3rd, N to Z. These books have a brown, half Morocco binding.

Eighteen Volumes, Indexes (one Vol. annually), from 1882 to 1899; gray canvas binding.

Seven Volumes, Indexes, from 1849 to 1881. These books were used previous to consolidated indexes; bound in brown, half Morocco.

Marriages.

One Volume (with index), embracing the period between 1646 and 1800; red, half Morocco binding.

One Volume (Transcript), covering the period from 1657 to 1720; red, half Morocco binding.

Two Volumes, embracing the period between 1800 and 1849, and arranged alphabetically. 1st, Vol. A to J; 2nd, K to Z; bound in red, half Morocco.

Two Volumes, Indexes to the above, classified under female names; half Russia binding.

Forty-six Volumes (one Vol. annually), covering the period from 1849 to 1894.

Twelve Volumes (two Vols. annually), covering the period from 1895 to 1900. These books have brown, half Morocco binding.

Three Volumes, Indexes (Consolidated), from 1849 to 1869. 1st, A to G; 2nd, H to M; 3rd, N to Z.

Three volumes, Indexes (Consolidated), from 1870 to 1881. 1st, A to G; 2nd, H to M; 3rd, N to Z. These books are bound in red, half Morocco.

Ten Volumes, Indexes (one Vol. annually), from 1882 to 1891; red canvas binding

Eight Volumes, Printed Indexes (one Vol. annually), from 1892 to 1899; red, half Morocco binding.

Seven Volumes, Indexes from 1849 to 1881 (marked 1 to 7). These books were used previous to consolidated indexes; red, half Morocco binding.

One Volume, containing marriages prior to 1800 (with index). This book is bound in red, half Morocco.

Four Volumes, Out of Town Marriages, embracing the period from 1858 to 1898. 1st, 1858 to 1883; 2nd, 1884 to 1892; 3rd, 1893 to 1895; 4th, 1896 to 1898; red, half Morocco binding.

Two Volumes, Indexes to the above, from 1858 to 1892. 1st, 1858 to 1883, half Russia binding; 2nd, 1884 to 1892; red, half Morocco binding.

Deaths.

One Volume, covering the period from 1700 to 1800, with Index; black, half Morocco binding.

Two Volumes, Miscellaneous Deaths, compiled from Newspapers, Magazines, Genealogical Registers, and various other sources, by Elisha G. Copeland, 1858. 1st, 1700 to 1800; 2nd, 1800 to 1810; black, half Morocco binding.

Three Volumes, 1810 to 1849. 1st, A to F; 2nd, G to O; 3rd, P to Z. These books are bound in full sheep.

Sixty Volumes, 1849 to 1900. One Volume annually from 1849 to 1893; two Volumes annually from 1894 to 1899; three Volumes, 1900; black, half Morocco binding.

Three Volumes, Indexes (Consolidated), from 1849 to 1869. 1st, A to G; 2nd, H to M; 3rd, N to Z.

Three Volumes, Indexes (Consolidated), from 1871 to 1881. 1st, A to G; 2nd, H to M; 3rd, N to Z; black, half Morocco binding.

Eighteen Volumes, Indexes from 1882 to 1889 (one Vol. annually); from 1882 to 1892, full black Morocco bindings; from 1893 to 1899, black, half Morocco binding.

Six Volumes, Indexes, from 1849 to 1881. These books were used previous to consolidated indexes, and are bound in black, half Morocco.

Two Volumes, Stillborns, covering the period from 1854 to 1896. 1st, 1854 to 1881; 2nd, 1882 to 1896; brown, half Morocco binding.

Three Volumes, Out of Town Deaths, covering the period from 1850 to 1900. 1st, 1850 to 1853; this Volume also includes stillborns for the same period; 2nd, 1853 to 1898; 3rd, 1899 to 1900; black, half Morocco binding. One Volume, Index to the above, from 1850 to 1900.

BRIGHTON.

One Volume (Original), containing Births, Marriages and Deaths from 1771 to 1893, with separate index; blue, half Morocco binding.

One Volume (Original), Intentions of Marriages from 1858 to 1873; blue, half Morocco binding.

CHARLESTOWN.

One Volume, Transcript and Index (marked No. 3), of Births, Marriages and Deaths, covering the period from 1629 to 1800; Russia binding.

One Volume (marked No. 4), of Births, Marriages and Deaths, Transcript and Index, from 1800 to 1843; Russia binding. This Volume also contains Out of Town Marriages prior to 1800.

One Volume, Births (marked No. 5), embracing the period between 1843 and 1849, Original Record; bound in red Morocco.

One Volume, Births, from 1849 to 1866 (marked No. 6), Original Record; red Morocco binding.

One Volume Births (marked No. 7), from 1867 to 1873, Original Record; red Morocco binding.

One Volume, Marriages, from 1849 to 1862 (marked No. 9), Original Record; red Morocco binding.

One Volume, Marriages (marked No. 10), from 1862 to 1873, Original Record; red Morocco binding.

One Volume, Deaths (marked No. 13), from 1861 to 1873, Original Record; red Morocco binding.

Four Volumes, Indexes from 1843 to 1873; Births, 1843 to 1873; Marriages, 1843 to 1873; Marriage Intentions, 1843 to 1873; Deaths, 1843 to 1873; Russia binding.

DORCHESTER.

One Volume, Births, from 1850 to 1869, Original Record; Russia binding, with sheep cover.

One Volume of Marriages, covering the period from 1850 to 1869, Original Record; Russia binding.

One Volume, Marriage Intentions, from 1850 to 1869, Original Record; Russia binding.

One Volume, Deaths from 1850 to 1869, Original Record; Russia binding.

Four Volumes (Indexes), covering the period from 1631 to 1869. 1st, Births, Marriages and Deaths, 1631 to 1849, half Russia binding; 2nd, Births, 1850 to 1869, half Russia binding; 3rd, Intentions and Marriages, 1850 to 1869, half Russia binding; 4th, Deaths, 1850 to 1869; half Russia binding.

ROXBURY.

One Volume, Births, Marriages and Deaths, embracing the period between 1630 and 1785, with index. Transcribed from original; small book, sheep binding.

- One Volume (Original), Births, Marriages and Deaths, from 1842 to 1849; bound in sheep, with Russia bands and ends.
- One Volume (Original), Births, from 1850 to 1863; sheep binding, Russia bands and ends.
- One Volume, Original Record of Births covering the period from 1864 to 1867 (Annexation); full sheep binding, sheep cover.
- One Volume (Original), Marriages, embracing the period between 1849 and 1865; sheep binding, Russia bands and ends.
- One Volume (Original) Marriages, from 1865 to 1867 (Annexation); full sheep binding, sheep cover.
- One Volume of Deaths (Original), from 1850 to 1867 (Annexation); sheep binding, Russia bands and ends.
- Three Volumes, Indexes of Births, from 1632 to 1867. 1st, 1632 to 1844; 2nd, 1843 to 1860; 3rd, 1860 to 1867.
- Two Volumes, Indexes of Marriages, from 1632 to 1867. 1st, 1632 to 1860; 2nd, 1860 to 1867.
- Two Volumes, Indexes of Deaths, from 1633 to 1867. 1st, 1633 to 1860; 2nd, 1860 to 1867; sheep binding, with Russia bands and ends.

WEST ROXBURY.

- One Volume, Original Record of Births, Marriages and Deaths, covering the period from 1851 to 1873 (to Annexation); bound in black, half Morocco.
- One Volume, Index to the above; black, half Morocco binding.

LIST OF CHURCH RECORDS.

- FIRST CHURCH, BOSTON. 3 Vols.
Admissions, Dismissions, and Baptisms, 1630-1847.
Index.
Admissions, 1636-1687.
- SECOND CHURCH, BOSTON. 2 Vols.
Admissions and Baptisms, 1676-1740. (Printed.)
Admissions and Baptisms, 1741-1816.
- FIRST BAPTIST CHURCH, BOSTON. 1 Vol.
Admissions, Marriages, and Deaths, 1665-1879.
- OLD SOUTH CHURCH, BOSTON. 3 Vols.
Baptisms, 1669-1875.
Admissions and Full Communion, 1669-1833.
Index to Baptisms, 1669-1875.
- KING'S CHAPEL, BOSTON. 3 Vols.
Baptisms, 1703-1824.
Marriages, 1780-1842.
Burials, 1714-1844.
- BRATTLE STREET CHURCH, BOSTON, 2 Vols.
Baptisms, 1699-1804.
Marriages and Admissions, 1700-1803.
- NEW NORTH CHURCH, BOSTON. 3 Vols.
Genealogical Register of Records of New North Church, compiled by Thomas Bellows Wyman, containing record of Baptisms, Admissions, Marriages and Deaths, 1714-1799.
Baptisms, 1813-1863; Marriages, 1813-1860; and Burials, 1814-1864.
Admission, 1800-1821; and Covenant, 1800-1814.

NEW BRICK CHURCH, BOSTON. 1 Vol.

Baptisms, Admissions, and Covenant, 1722-1776.

NEW SOUTH CHURCH, BOSTON. 2 Vols.

Baptisms, 1719-1812.

Baptismal Covenants, Marriages, and Full Communion, 1719-1811.

CHRIST CHURCH, BOSTON. 2 Vols.

Baptisms, 1723-1851.

Marriages and Deaths, 1723-1851.

FIRST PRESBYTERIAN CHURCH, BOSTON (FEDERAL STREET).
3 Vols.

Baptisms, 1730-1742; and Marriages, 1730-1785.

Marriages, 1730-1865.

Baptisms, 1730-1865.

HOLLIS STREET CHURCH, BOSTON. 2 Vols.

Baptisms, Marriages, Deaths, and Admissions, 1732-1847.

Index.

TRINITY CHURCH, BOSTON. 4 Vols.

Christenings, 1738-1820.

Index to Christenings, 1738-1820.

Marriages, 1737-1820.

Burials, 1739-1819.

WEST CHURCH, BOSTON. 2 Vols.

Baptisms, 1737-1880.

Marriages; 1747-1788; and Members.

SECOND BAPTIST CHURCH, BOSTON. 2 Vols.

Church Records, 1743-1806; Members, 1748; Marriages, 1770-1788.

List of Members, Baptisms and Deaths, 1788-1811. (In volume containing records of Pine Street, Hawes Place, and Phillips Churches.)

PHILLIPS CHURCH, SOUTH BOSTON. 2 Vols.

Deaths, 1832-1879; Baptisms, 1825-1887; and Marriages, 1843-1846. (In volume containing records of Pine Street, Hawes Place, and Second Baptist Churches.)

Marriages, 1843-1845; Baptisms, 1825-1887; and Deaths, 1827-1887.

HAWES PLACE CHURCH, SOUTH BOSTON. 1 Vol.

Marriages, 1823-1878; Admissions and Dismissions, 1823-1834; Baptisms, 1823-1864. (In volume containing records of Pine Street, Phillips, and Second Baptist Churches.)

PINE STREET CHURCH, BOSTON. 1 Vol.

List of Members, 1834-1865. (In volume containing records of Hawes Place, Second Baptist, and Phillips Churches.)

BALDWIN PLACE BAPTIST, CHURCH, BOSTON. 1 Vol.

Admissions, Dismissals, Deaths, 1769-1881.

FIRST UNIVERSALIST CHURCH, BOSTON. 2 Vols.

Original Record of Marriages from September, 1813, to April 1840.

Index.

HANOVER STREET METHODIST EPISCOPAL CHURCH, BOSTON.
1 Vol.

Admissions, Deaths, and Baptisms, 1736-1875.

FIRST CHRISTIAN CHURCH, BOSTON. 1 Vol.

Church History, 1803-1829; Baptisms, Marriages and Probations, 1863-1870; Members, 1852-1870.

BROMFIELD STREET CHURCH, BOSTON. 1 Vol.

Marriages, Admissions, Baptisms, and Deaths, 1838-1854.

CHARLES STREET BAPTIST CHURCH, BOSTON. 1 Vol.

Admissions, Dismissions, Marriages, and Deaths, 1807-1865.

PARK STREET CHURCH, BOSTON. 1 Vol.

Baptisms, 1810-1876; Marriages, 1810-1866; Deaths, 1809-1877.

SECOND UNIVERSALIST CHURCH, BOSTON. 1 Vol.

Members, 1817-1856; Marriages, 1815-1840; Funerals, 1815-1853.

NEW JERUSALEM CHURCH, BOSTON. 1 Vol.

Admissions, 1857-1861; Marriages, 1828-1861; Births, 1780-1876; Baptisms, 1827-1861; Deaths, 1820-1879; Confirmations, 1855-1861; Licenses, 1830-1838; Ordinations, 1840-1875; and List of Members, 1828-1856.

ST. PAUL'S CHURCH, BOSTON. 1 Vol.

Marriages, 1820-1859; Baptisms, 1821-1851; and Deaths, 1821-1860.

TWELFTH CONGREGATIONAL CHURCH, BOSTON. 2 Vols.

An Original Record containing:

Proceedings of the Society, 1825-1861; Members and Covenant, 1825-1860; Baptisms, 1825-1862; Marriages, 1825-1862; Deaths, 1825-1861.

Index to Baptisms, Marriages, and Deaths.

PURCHASE STREET CHURCH, BOSTON. 1 Vol.

Marriages, 1826-1859; Baptisms, 1826-1859; Deaths, 1827-1859; and Communicants, 1826-1859.

PITTS STREET CHAPEL, BOSTON. 1 Vol.

Members, Covenant, Admissions, Baptisms, Marriages, and Funerals, 1835-1845.

SOUTH CONGREGATIONAL CHURCH, BOSTON. 1 Vol.

Burials, 1828-1866; Baptisms, 1828-1885; and Marriages, 1828-1885.

GRACE CHURCH, BOSTON. 1 Vol.

Marriages, 1831-1865; Baptisms, 1831-1865; Deaths, 1831-1865; Confirmations, 1832-1865; Communion, 1847-1865; and General Record, 1828-1835.

FIRST CHURCH, CHARLESTOWN. 2 Vols.

Marriages and Baptisms, 1632-1789. (Printed.)
Index.

FIRST CHURCH, DORCHESTER. 2 Vols.

Baptisms, 1729-1837; Deaths, 1729-1779; Full Communion, 1729-1845; and Covenant, 1729-1836.
Church Record, 1636-1734. (Printed.)

FIRST BAPTIST CHURCH, ROXBURY. 1 Vol.

Members, Admissions, Dismissions, and Deaths, 1821-1884; List of Life Members of American Baptist Missionary Union.

THIRD PARISH, ROXBURY, JAMAICA PLAIN. 1 Vol.

Baptisms, Marriages and Deaths, 1771-1860.

ST. MATTHEW'S CHURCH, SOUTH BOSTON. 6 Vols.

Baptisms, 1817-1884.

Index to Baptisms, 1817-1884.

Marriages, 1821-1884.

Confirmations, 1822-1884.

Communicants, 1824-1884.

Burials, 1818-1884.

FIRST CHURCH, WEST ROXBURY. 1 Vol.

Church History, Marriages, Baptisms, and Deaths, 1712-1837.

MARRIAGES BY F. T. GRAY, 1835-1856.

INVENTORY OF FURNITURE AND FITTINGS.

[Office reference library not included.]

1 Oak Cabinet (8 double drawers).	1 Large Cabinet (Oak).
1 " " (6 double drawers).	2 Remington typewriters.
1 " " (20 single drawers).	1 " " (Extra size).
3 " " (6 single drawers).	1 New Century " "
2 Double Oak desks.	1 Caligraph " "
3 Single Oak desks.	11 Walnut desks.
1 Roll-top desk.	2 " tables.
1 Cabinet Oak desk.	31 Chairs.
2 Oak tables (typewriter).	2 set shelves (Walnut).
4 Oak chairs " "	1 Wardrobe.
3 Large Oak tables.	4 Mirrors.
30 Units, Large size, Oak (10 tops and 10 bases).	1 Card Cabinet.
38 Units, Small size, Oak (8 tops and 8 bases).	1 Cabinet (20 drawers).
6 Chairs.	2 Step Ladders.
3 Filing Cabinets (12 drawers) Oak.	1 Electric fan.
1 " " (2 drawers) Oak.	3 Clocks.
	3 Small tables.
	4 Cabinets (3 drawers) Mahogany.

LIST OF EMPLOYEES, REGISTRY DEPARTMENT—
CITY OF BOSTON.

February 1, 1900.	January 31, 1901.
1 Registrar . . . \$4,000	1 Registrar . . . \$4,000
1 Asst. Registrar . . . 2,250	2 Asst. Registrars (each) 1,700
1 Asst. " . . . 1,700	1 Male Clerk . . . 1,700
2 Male Clerks (each) . . . 1,700	1 Special Male Clerk . . . 1,500
1 Special Male Clerk . . . 1,900	1 Inspector . . . 1,200
1 Inspector . . . 1,200	1 Female Clerk . . . 775
1 Messenger . . . 1,000	2 " Clerks . . . 675
1 Female Clerk . . . 775	1 " Clerk . . . 600
2 " Clerks (each) . . . 675	2 " Clerks . . . 575
1 " Clerk . . . 600	5 " Clerks (weekly) 10
2 " Clerks (each) . . . 575	
4 " Clerks (weekly) 10	

JUSTICES OF THE PEACE.

DESIGNATED AND COMMISSIONED WITH AUTHORITY TO SOLEMNIZE
MARRIAGES IN THE CITY OF BOSTON.

Nathaniel G. Robinson, 22 Milk st.,
Boston.

Charles E. Silloway, City Hall.

Henry W. Shepard, 145A Tremont st.

Charles A. Feyhl, 38 Pemberton sq.

Thomas D. Roberts, 17 Davis st.

Peter A. Frederickson, 5 Sterling st.

Charles V. Jaeger, 1176 Columbus av.

Luther L. Jenkins, 119 Leverett st.

Wolf Baron, 311 Harrison ave.

William A. Blossom, Roxbury Municipal Court.

Walter H. Binns, 963 Tremont st.

Benjamin F. Powell, 46 School st.,
Room 4.

Curtis J. Wright, 46 School st., Room
5.

Edward J. Holland, 2 Jefferson st.

Horace A. Jordan, 374 Cambridge st.,
Allston.

Harry H. Newcomb, 35 Court st.

Thomas J. Sproul, Burkhardt Brewing Co.

John E. Andrews, 65 Walnut ave.

Hippolyte M. Prud'homme, 840 Huntington ave.

James W. Porter, 61 City Hall.

John Quinn, Jr., 117 Central st.

James Ray, 192 Boylston st.

Jeremiah J. Mahoney, 130 F, and 42
Court st.

David O. Felt, 22 Ash st.

Albert L. Wyman, 79 Berkeley st.

George B. Billings, 70 Long wharf.

Henry W. Hubbard, 117 Clifton st.,
Roxbury.

Charles H. Brigham, 23 Court st.,
Room 518.

William D. C. Curtis, 72 Kilby st.

Christopher D. A. Hourin, 288 Centre
st., Jamaica Plain.

Jehn W. Rose, 25 Blue Hill ave.

James R. Powers, 53 State st., Room
1043.

Adolph L. Schubert, 917 Winthrop
Building.

Samuel D. G. Willcutt, 63 Blue Hill
ave.

Clarence W. Rowley, 373 Washington
st.

Edward P. Sands, 91 Worcester st.

Freeman O. Emerson, 39 Boylston st.

John C. Hurl, 259 Washington st.

Alfred R. Kehew, 373 Washington st.

Michael Cangiano, 218 North st.

Gustave Magnitzky, 23 Court st.

Robert Herter, Court House, Pemberton sq.

Nathan Bloch, 92 Chelsea st., East
Boston.

Charles A. Bartlett, 507 Tremont st.

Albert P. Blinn, 603 Tremont st.

Samuel H. Borofsky, 34 Parmenter st.

Otto Kalmus, 36 Pleasant st.

Charles A. Shaw, 3 Wyoming st.

Louis Epple, 231 State House.

D. Foster Farrar, Everton st., Dorchester.

Robert M. McLeish, 214 K st.

Josiah Van Buren, 73 Waverley st.,
Roxbury.

Charles C. Kurtz, 31 State st.

Harry A. Bartholomew, 119 Leverett
st.

James B. Cherry, 101 Shawmut ave.

John W. Anderson, 120 North st.

James G. Baldwin, 295 Tremont st.

Lewis Pennini, Boston.

Max H. Newman, Boston.

Edmund A. MacDonald, 677 Cambridge st., Brighton.

Archille Forte, 287 Hanover st., Boston.

William P. Cashman, Court House,
Pemberton sq., Boston.

Charles H. Atkins, Boston.

Oscar E. Pease, 512 Tremont Building.

BOSTON RECORD REPORTS.

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- Vol. 1. TAX LISTS, etc.,—164 to 1695.
- “ 2. TOWN RECORDS,—1634 to 1660, and BOOK OF POSSESSIONS.
- “ 3. CHARLESTOWN LAND RECORDS,—1638 to 1802.
- “ 4. DORCHESTER TOWN RECORDS,—1632 to 1655.
- “ 5. “GLENER” ARTICLES.
- “ 6. ROXBURY LAND and CHURCH RECORDS,—1639 to 1674.
- “ 7. TOWN RECORDS,—1660 to 1701.
- “ 8. TOWN RECORDS,—1700 to 1728.
- “ 9. BIRTHS, MARRIAGES, and DEATHS,—1634 to 1700.
- “ 10. “MISCELLANEOUS PAPERS,”—1653 to 1796, and DIRECTORY,
1789 and 1796.
- “ 11. SELECTMEN’S RECORDS,—1701 to 1715.
- “ 12. TOWN RECORDS,—1729 to 1742.
- “ 13. SELECTMEN’S RECORDS,—1716 to 1736.
- “ 14. TOWN RECORDS,—1742 to 1757.
- “ 15. SELECTMEN’S RECORDS,—1736 to 1742.
- “ 16. TOWN RECORDS,—1758 to 1769.
- “ 17. SELECTMEN’S RECORDS,—1742-3 to 1753.
- “ 18. TOWN RECORDS,—1770 to 1777.
- “ 19. SELECTMEN’S RECORDS,—1754 to 1763.
- “ 20. SELECTMEN’S RECORDS,—1764 to 1768.
- “ 21. DORCHESTER BIRTHS, MARRIAGES, and DEATHS,—1634 to 1825.
- “ 22. CENSUS,—1790, and DIRECT TAX,—1798.
- “ 23. SELECTMEN’S RECORDS,—1769 to 1775.
- “ 24. BOSTON BIRTHS,—1700 to 1800.
- “ 25. SELECTMEN’S RECORDS,—1776 to 1786.
- “ 26. TOWN RECORDS,—1778 to 1783.
- “ 27. SELECTMEN’S RECORDS,—1787 to 1798.
- “ 28. BOSTON MARRIAGES,—1700 to 1751.
- “ 29. “MISCELLANEOUS PAPERS.”



ANNUAL REPORT
OF THE
WEIGHTS AND MEASURES DEPARTMENT
FOR THE YEAR 1900-1901.

BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

DEAR SIR, — In compliance with the requirements of the Revised Ordinances, I herewith submit the annual report of the Weights and Measures Department.

The force of the Department consists of one Sealer, ten deputy sealers, one helper, and one janitor.

Appropriation for the fiscal year 1900-1901, \$23,424 81

CLASSIFICATION OF EXPENSES.

Salaries, janitor, and helper's pay	\$18,468 61
Horse board	1,897 00
Three new horses	500 00
Shoeing of horses	226 00
Repairs on wagons	618 60
Repairs on harnesses, and new supplies	295 07
Tools, hardware, etc.	268 49
<i>Carried forward</i>	<u>\$22,273 77</u>

<i>Brought forward</i>	\$22,273 77
Printing stock, books, and stationery	499 01
Telephone service	102 49
Ferry tolls and car tickets	52 00
Repairing standard and try scales	98 81
Diamond ink and pencils	45 65
Medical attendance on horses	113 50
Advertising	68 11
Brushes, oils, etc.	59 32
Insurance and clerical work	45 76
Furniture and office expenses	46 00
Incidentals	20 39
Total expenditures from February 1, 1900, to February 1, 1901	<u>\$23,424 81</u>

Section 1 of Chapter 123 of the Acts of 1876 provides that the Sealer of Weights and Measures shall annually give public notice, by advertisement, or by posting notices in one or more public places, to all inhabitants or persons having a usual place of business therein, who use scales, weights, or measures, for the purpose of selling any goods, wares, merchandise, or other commodities, or for public weighing, to bring in their scales, weights, and measures, to be adjusted and sealed.

The same section also provides that "in those cities and towns where a salary is paid to the Sealer of Weights and Measures no fee shall be charged for such service."

In compliance with the provisions of the foregoing section, it is customary for the Sealer to notify annually, in May, all such persons as are referred to by the statutes, by publishing the required notice in the daily papers, to bring to this office their scales, weights and measures, to be tested and sealed.

Section 2 of Chapter 123 of the Acts of 1876, amended by Section 2 of Chapter 151 of the Acts of 1877, provides that at any time after said notice the said Sealer of Weights and Measures shall go to the houses, stores, and shops of persons mentioned in the foregoing section, who have neglected to comply with the notice given thereunder, and having entered the same, with the assent of the occupants, shall adjust and seal their scales, weights and measures, and shall be entitled to receive for said service the compensation set forth in Chapter 51, Section 14, of the General Statutes.

The customary notice having been published, after a reasonable time the deputy sealers were instructed to visit

the places where scales, weights and measures were in use; and having informed the owners thereof that it was optional with them whether their scales, etc., should be tested at this office or at their places of business, and in the former case no charge would be made for such services, proceeded thereafter, with their consent, to test and seal the same.

The schedule of fees for such work done outside the office is as follows:

FOR TESTING.

Platform scales (5,000 lbs. capacity and upwards)	. \$1 00
“ “ (less than 5,000 lbs. capacity)	. 50
Dormant “ (“ “ “ “ “ “)	. 50
Beam “ (capacity over 1,000 lbs.)	. 50
Counter platform scale (large size)	. 50
“ “ “ (small size)	. 25
Butchers' scale, spring balance, counter-balance, or trip scale, each	. 03
Weights, each	. 03
Measures, wet or dry, each	. 03
Yardsticks, each	. 03

ADJUSTING.

For adjusting or repairing any scale, a fair and reasonable compensation.

For weights when either light or heavy, not to exceed ten cents each.

For yardsticks, not to exceed five cents each.

For measures, wet or dry, when either large or small, not to exceed ten cents each.

For adjusting or repairing any special weight or measure, not mentioned above, a fair and reasonable compensation.

OPERATIONS OF THE DEPARTMENT FROM FEBRUARY 1,
1900, TO FEBRUARY 1, 1901.

Number of scales 5,000 to 150 tons tested	. 617
“ dormants less than 5,000 lbs. tested	. 352
“ beef-track scales tested	. 22
“ portable platforms tested	. 2,335
“ counter “ “	. 670
“ spring balances “	. 2,230
“ trip scales “	. 2,452
“ counter-balances “	. 1,165
“ beams or balances “	. 109
Total number of scales tested	. <u>9,952</u>

Number of scales tested and found correct	8,459
Number of scales tested and adjusted before seal- ing	626
Number of scales tested and tagged for repairs	512
Number of scales that were repaired as ordered	336
Number of scales that were condemned	19
 Total number of scales tested	 <u>9,952</u>
 Number of weights tested and found correct	 29,472
Number of weights tested, found light and ad- justed	2,972
Number of weights tested, found heavy and ad- justed	1,066
Number of weights tested and condemned	57
 Total number of weights tested	 <u>33,567</u>
 Number of dry measures tested and found cor- rect	 5,912
Number of dry measures tested and adjusted	141
“ “ “ “ “ condemned	108
 Total number of dry measures tested	 6,161
Number of wet measures, including glass milk jars and cans, tested and found correct	413,663
Number of wet measures, including milk cans, tested and adjusted	343
Number of wet measures, including milk cans and jars, tested and condemned	7,011
 Total number of wet measures, including milk cans, tested	 <u>421,017</u>
 Number of yardsticks tested and found correct	 581
“ “ “ “ “ adjusted	6
“ “ “ “ “ condemned	126
 Total number of yardsticks tested	 <u>713</u>
 Number of charcoal baskets tested and found correct	 32
Number of charcoal baskets tested and con- demned	3
 Total number of charcoal baskets tested	 <u>35</u>

Number of coal baskets tested and found correct,	259
Number of coal baskets tested and condemned,	5
Total number of coal baskets tested . . .	<u>.264</u>

In the system of testing and sealing of scales, weights and measures at the places of business where such scales, etc., are used, has given general satisfaction. Many, however, on the score of economy, having such work to be done, send their scales, measures, etc., to have them tested at this office, thus lessening the revenue of the Department; it being the system of the office that work done therein be free of charge.

The amount of work done in the office from February 1, 1900, to February 1, 1901, was as follows:

Scales of all descriptions tested	1,904
Weights tested	6,426
Dry measures tested	1,702
Wet measures, including milk cans, tested	416,558
Yardsticks tested	314
Charcoal baskets tested	16
Coal baskets tested	213

Total pieces tested in office	<u>427,133</u>
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Number of portable platforms tested	309
“ counter platforms tested	78
“ spring balances tested	548
“ trip scales tested	762
“ counter balances tested	168
“ beams or balances tested	39

Total number of scales tested	<u>1,904</u>
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Number of scales tested and found correct	1,429
Number of scales tested and adjusted before sealing	82
Number of scales tested and tagged for repairs	138
Number of scales that were repaired as ordered	248
Number of scales that were condemned	7

Total number of scales tested	<u>1,904</u>
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Number of weights tested and found correct	4,543
Number of weights tested and found light and adjusted	1,159
Number of weights tested and found heavy and adjusted	702
Number of weights tested and condemned	22
Total number of weights tested	<u>6,426</u>

Number of dry measures tested and found correct,	1,680
“ “ “ “ “ adjusted	9
“ “ “ “ “ condemned	13
Number of dry measures tested	<u>1,702</u>

Number of wet measures, including milk cans, tested and found correct	309,431
Number of wet measures, including milk cans, tested and adjusted	201
Number of wet measures, including milk cans, tested and condemned	5,926
Total number of wet measures, including milk cans, tested	<u>315,558</u>

RECAPITULATION.

Total number of scales tested from February 1, 1900, to February 1, 1901	9,952
Total number of weights tested from February 1, 1900, to February 1, 1901	33,567
Total number of dry measures tested from Feb- ruary 1, 1900, to February 1, 1901	6,161
Total number of wet measures, including milk cans, and jars tested from February 1, 1900, to February 1, 1901	421,017
Total number of yardsticks tested from February 1, 1900, to February 1, 1901	713
Total number of charcoal baskets tested from February 1, 1900, to February 1, 1901	35
Total number of coal baskets tested from Febru- ary 1, 1900, to February 1, 1901	264
Total number of tests made of all descriptions,	<u>471,709</u>

EARNINGS OF DEPARTMENT.

Total amount of earnings from February 1, 1900, to February 1, 1901	\$4,196 40
The amount uncollected due Department	348 22

Balance paid to City Collector	\$3,848 18
Unpaid bills of previous financial year paid to City Collector	276 68

Total amount collected, which has been paid to the City Collector to be credited to the Department of Weights and Measures from February 1, 1900, to February 1, 1901	<u>\$4,124 86</u>
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The decrease in the earnings of this Department is due solely to the increased demand for the inspection of milk and cream jars. The number of jars tested has increased from 111,206 for the year 1898, to 421,017 for the year 1900, 7,011 being condemned as small.

For three months the entire force of the office was engaged continuously in this particular work. If a fee were collected for testing and sealing these jars, on the same basis as that charged for work done outside the office, the revenue derived from sealing the same would amount to \$12,000.

INVENTORY OF PROPERTY IN THE SEALER'S OFFICE BELONGING TO THE CITY OF BOSTON, FEBRUARY 1, 1901.

Standard Avoirdupois Balances.

1 balance and cabinet furnished by the Commonwealth to Suffolk County, in the custody of the Boston Sealer; capacity, 100 lbs.

1 balance and cabinet furnished City of Boston by the Commonwealth; capacity, 100 lbs.

1 balance, sensitive to $\frac{1}{4}$ grain; capacity, 16 lbs. .

1 dormant scale, capacity, 2,700 lbs.

1 platform balance, capacity, 300 lbs., sensitive to $\frac{1}{4}$ oz.

1 balance for testing 50-lb. weights; sensitive to 1 grain.

Standard Troy Balances.

1 bank gold balance, sensitive to $\frac{1}{4}$ grain, capacity, \$10,000.

1 jewellers' balance, sensitive to $\frac{1}{16}$ grain; capacity, 12 lbs.

1 apothecaries' balance, sensitive to $\frac{1}{10}$ grain; capacity, 8 lbs.

1 apothecaries' prescription balance, sensitive to $\frac{1}{1000}$ grain; capacity, 3 oz.

Standard Metric Balances.

1 Becker balance, capacity 2 kilograms in each pan, with beam divided into 120 parts, each part corresponds with $\frac{1}{1000}$ of a grain and sensitive to $\frac{1}{10}$ of milligram with scale loaded to full capacity.

1 short-beam analytical Becker balance, with aluminum beam, bows and pans; agate bearings, with adjustable shelf for supporting beaker with water, when taking specific gravities sensitive to $\frac{1}{20}$ of a milligram; capacity, 400 grammes.

Standard Avoirdupois Weights.

1 set of steel weights, 5, 10, 20, 25 and 50 lbs.; 5 weights.

1 set brass weights, from 1 drachm to 4 lbs.; 12 weights.

(The above-named weights belong to Suffolk County.)

1 set of steel weights, 5, 10, 20, 25 and 50 lbs.; 5 weights.

1 set brass weights, from 1 drachm to 4 lbs.; 12 weights.

1 set Tobin bronze weights, from 20 lbs. to $\frac{1}{128}$ of 1 oz.; 19 weights.

Standard Troy Weights,

1 box of gold weights, from \$1,000 to \$5,000; 17 weights.

1 box of gold weights, from 10 dwts. to 3,000 dwts.; 11 weights.

1 box of gold weights, from 10 dwts. to 1,000 dwts.; 9 weights.

1 box of gold weights, from 10 dwts. to 500 dwts.; 9 weights.

1 box of gold weights, from $\frac{1}{2}$ dwt. to 500 dwts.; 19 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 1,000 grains; 23 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 240 grains; 19 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 10 grains; 10 weights.

1 box of gold weights, from $\frac{1}{100}$ grain to 10 grains; 9 weights.

1 set of cup weights, from $\frac{1}{4}$ oz. to 128 oz.; 11 weights.

1 set of cup weights, from $\frac{1}{4}$ oz. to 19 oz.; 8 weights.

1 set of diamond weights, from $\frac{1}{64}$ of carat to 300 carats; 17 weights.

Metric Weights.

1 box of weights, from 10 milligrams to 1 kilogram; 21 weights.

1 box of weights, from 1 milligram to 100 grammes ; 25 weights.

1 box of weights, from 50 kilograms to 200 kilograms ; 6 weights.

1 box containing 1 kilogram.

Apothecary Weights.

1 box of weights, from $\frac{1}{2}$ scruple to 1 oz.; 7 weights.

1 set of weights, from $\frac{1}{2}$ scruple to 2 drachms ; 6 weights.

Standard Measures of Length.

1 metric meter.

1 U. S. standard yard measure.

Standard Dry Measures.

1 set of iron measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.) Suffolk County standards.

1 set of iron measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.)

1 set of iron measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.) City of Boston standards.

Standard Liquid Measures.

1 set of iron measures, from 1 gill to 1 gall. (6 measures.) Suffolk County standards.

1 set of iron measures, from 1 gill to 1 gall. (6 measures.)

1 set of iron measures, from 1 gill to 1 gall. (6 measures.) City of Boston standards.

Duplicates of the Standard Weights and Measures.

Working Sets.

7 sealers' try scales.

2 even balances.

8 boxes of brass weights, from $\frac{1}{16}$ oz. to 4 lbs. (79 weights.)

1 set of steel weights, from 5 to 50 lbs. (5 weights.)

6 sets of brass hook weights, from 1 lb. to 16 lbs. (36 weights.)

140 U. S. standard 50-lb. weights.

1 box brass troy weights. (6 weights.)

1 set of apothecaries' weights, from 1 grain to 6 drachms. (21 weights.)

8 sets copper liquid measures, from 1 gill to 1 gall. (48 measures.)

2 three-gallon copper measures.

1 two-gallon copper measure.

28 copper dry measures, from 1 gill to 1 qt.

1 set of copper dry measures, from 1 qt. to $\frac{1}{2}$ bushel. (5 measures.)

1 copper measure with nozzle, $\frac{1}{2}$ bushel.

4 brass yardstick measures.

1 charcoal-basket measure.

1 upright drill.

7 bench drills.

1 two-yardstick.

4 diamond pencils for marking milk jars.

Horses, Wagons, Tools, etc.

6 horses.

7 wagons.

1 pung.

6 sets of harnesses.

Complete outfit for horses, wagons, etc., miscellaneous tools.

Office Furniture.

Safe, wardrobe-closet, umbrella-stand, chairs, 2 desks, work-benches, 2 clocks, counters, racks, stationery, water-cooler, 1 letter-press and stand.

Respectfully submitted,

CHARLES B. WOOLLEY,

Sealer of Weights and Measures.



ANNUAL REPORT

OF THE

SINKING FUNDS DEPARTMENT

FOR THE YEAR 1900-1901.

BOARD OF COMMISSIONERS OF SINKING FUNDS,
CITY HALL, April 4, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR, — The Board of Commissioners of Sinking Funds have the honor of presenting the following report, showing the transactions during the year ending January 31, 1901:

Amount of cash in treasury January 31,		
1900	\$3,617,463	93
Receipts during the year	11,125,441	30
	\$14,742,905	23
Payments during the year	10,711,000	00
Amount of cash January 31, 1901	\$4,031,905	23
Total amount of invest-		
ments January 31, 1900, \$24,079,630	00	
Investments purchased		
during the year	7,226,000	00
<i>Carried forward</i>	\$31,305,630	00
	\$4,031,905	23

<i>Brought forward</i>	\$31,305,630 00	\$4,031,905 23
Investments matured and cancelled during the year	7,557,000 00	
		23,748,630 00
Amount of funds January 31, 1901		<u>\$27,780,535 23</u>

With this report will be found the report of the Treasurer, the annual statement of the Board, showing debt and funds, and a statement covering the work for twenty years, with the report of the examiner.

Respectfully submitted,

NATHANIEL J. RUST,

Chairman.

BOSTON, February 27, 1901.

*To the Board of Commissioners of Sinking Funds of City of
Boston :*

GENTLEMEN, — The undersigned herewith presents his annual report as Treasurer of the Board of Commissioners of Sinking Funds :

Balance of Cash, January 31, 1900.....	.....	\$3,617,463 93
Received in 1900-1901 :		
Interest on Investments.....	\$983,886 07	
Interest on Bank Deposits.....	55,185 43	
Revenue from Betterments, Sales of Land, etc.....	199,295 32	
Revenue from Laying-Out and Construction of High- ways.....	39,950 09	
Revenue from Sewerage Works Assessments.....	73,769 75	
Appropriation for Debt, 1900-1901.....	1,869,537 00	
Premium on Loans negotiated.....	140,328 64	
Income from Water Works for Water Debt Require- ment.....	206,489 00	
Investments matured.....	2,557,000 00	
Investments cancelled.....	5,000,000 00	
		11,125,441 30
		<u>\$14,742,905 23</u>
Disbursed in 1900-1901 :		
City Treasurer for Redemption of Matured Debt.....	\$3,485,000 00	
Investments purchased.....	7,226,000 00	
		10,711,000 00
Cash Balance, January 31, 1901.....	.....	<u>\$4,031,905 23</u>

SINKING FUNDS DEPARTMENT.

3

RESOURCES OF THE SINKING FUNDS, JANUARY 31, 1901.

SINKING FUND.	Cash.	Investments.	Total Resources.
New Public Library, Special.....	\$75,941 51	\$678,000 00	\$753,941 51
Five-Year	77,319 95	17,200 00	94,519 95
Ten-Year.....	6,235 99	1,055,500 00	1,061,735 99
Twenty-Year	485,284 46	6,617,850 00	7,103,134 46
Thirty-Year.....	47,294 74	3,100 00	50,394 74
Public Park.....	31,976 62	1,190,300 00	1,222,276 62
Public Park, Special.....	237,952 11	1,971,100 00	2,209,052 11
New Cambridge Bridge	7,857 06	80,000 00	87,857 06
Cambridge Bridge.....	24,220 50	7,900 00	32,120 50
Stony Brook Improvement.....	24,210 77	195,500 00	219,710 77
Improved Sewerage	12,246 48	236,000 00	248,246 48
New Ferry Landing.....	50,274 75	10,500 00	60,774 75
Laying-Out and Construction of Highways, No. 1	4,494 55	369,000 00	373,494 55
Laying-Out and Construction of Highways, No. 2	65,062 36	580,500 00	645,562 36
Rapid Transit.....	63,582 49	391,000 00	454,582 49
Rapid Transit, Charlestown Bridge, No. 1...	1,220 96	58,300 00	59,520 96
Rapid Transit, Charlestown Bridge, No. 2...	4,173 39	69,000 00	73,173 39
Blue Hill and Other Avenues	25,943 32	318,100 00	344,043 32
School-houses, No. 1	8,787 55	27,000 00	35,787 55
School-houses, No. 2	7,485 72	176,000 00	183,485 72
Sewerage Loan	88,568 66	314,000 00	402,568 66
South Union Station, No. 1	1,038,941 01	192,000 00	1,230,941 01
South Union Station, No. 2.....	34,406 92	25,000 00	59,406 92
Market or Other Public Purposes.....	323 28	16,500 00	16,823 28
Suffolk County Court-House	61,824 12	550,500 00	612,324 12
Cochituate Water.....	1,545,867 08	8,598,780 00	10,144,647 08
Moneys for Reduction of Debt.....	408 88	.....	408 88
	\$4,031,905 23	\$23,748,630 00	\$27,780,535 23

DEBT LIABILITIES OF THE SINKING FUNDS,
JANUARY 31, 1901.

CLASSIFICATION OF DEBT.	Liabilities Jan. 31, 1900.	Debt Issued in 1900-1901.	Debt Paid in 1900-1901.	Liabilities Jan. 31, 1901.
New Public Library, Special...	\$1,600,000 00	.....	\$500,000 00	\$1,100,000 00
Five-Year	400,000 00	\$15,000 00	.....	415,000 00
Ten-Year.....	3,736,000 00	214,500 00	1,116,000 00	2,834,500 00
Twenty-Year	18,256,555 00	76,500 00	1,309,000 00	17,024,055 00
Thirty-Year	725,000 00	225,000 00	.....	950,000 00
Public Park	3,193,300 00	25,000 00	14,000 00	3,204,300 00
Public Park, Special.....	10,686,000 00	130,000 00	200,000 00	10,616,000 00
New Cambridge Bridge.....	250,000 00	.....	.....	250,000 00
Cambridge Bridge	350,000 00	.....	.....	350,000 00
Stony Brook improvement....	1,350,000 00	.....	.....	1,350,000 00
Improved Sewerage.....	500,000 00	.....	.....	500,000 00
New Ferry Landing.....	500,000 00	.....	.....	500,000 00
Laying Out and Construction of Highways, No. 1.....	500,000 00	.....	.....	500,000 00
Laying Out and Construction of Highways, No. 2.....	6,164,450 00	997,550 00	.....	7,162,000 00
*Rapid Transit.....	4,700,000 00	50,000 00	.....	4,415,600 00
Rapid Transit, Charlestown Bridge, No. 1	750,000 00	.....	.....	750,000 00
Rapid Transit, Charlestown Bridge, No. 2	600,000 00	200,000 00	.....	800,000 00
Blue Hill and Other Avenues..	3,250,000 00	.....	.....	3,250,000 00
School-houses, No. 1.....	500,000 00	5,000 00	.....	505,000 00
School-houses, No. 2.....	2,100,000 00	300,000 00	.....	2,400,000 00
South Union Station, No. 1....	2,000,000 00	.....	.....	2,000,000 00
South Union Station, No. 2....	300,000 00	25,000 00	.....	325,000 00
Sewerage Loan.....	3,100,000 00	900,000 00	.....	4,000,000 00
Market or Other Public Pur- poses	616,000 00	.....	.....	616,000 00
Suffolk County Court House...	2,921,000 00	.....	.....	2,921,000 00
Cochituate Water.....	17,306,273 98	.....	5,346,000 00	11,960,273 98
Rapid Transit, East Boston Tunnel.....	.....	.....	.....	335,000 00
	\$86,354,578 98	\$3,163,550 00	\$8,485,000 00	\$81,033,128 98

* \$335,000 Transferred to Rapid Transit, East Boston Tunnel.

SINKING FUND RESOURCES, JANUARY 31, 1901.

CASH DEPOSITED IN BANKS AND TRUST COMPANIES.

NATIONAL BANKS.

Atlantic	\$48,071 15
Atlas	108,865 97
Boylston	32,204 59
Bunker Hill	23,661 05
Central	134,118 66
Colonial	45,584 30
Commercial	70,127 29
Eliot	59,287 15
Faneuil Hall	54,310 50
First	110,911 06
First Ward	18,706 37
Fourth	33,630 19
Freemans	32,639 38
Globe	60,294 47
Massachusetts	27,096 99
Mechanics	68,982 74
Merchants National Bank	227,945 67
Metropolitan	23,398 04
Monument	9,425 23
Mount Vernon	34,364 40
National Bank of Commerce	131,940 22
“ “ “ the Commonwealth	91,028 56
“ “ “ “ Republic	37,465 31
“ Exchange Bank	81,657 67
“ Hamilton “	22,437 04
“ Hide and Leather Bank	77,169 99
“ Market Bank of Brighton	18,698 61
“ Rockland	23,440 86
“ Security	49,587 59
“ Shawmut	375,119 78
“ Union	72,923 97
“ Webster	58,323 89
New England	68,708 00
Old Boston	45,374 02
Peoples	23,591 52
Second	109,302 04
Shoe and Leather	219,249 77
State	159,371 31
Third	90,439 93
Washington	42,429 58
Winthrop	48,333 46

TRUST COMPANIES.

American Loan and Trust Company	63,951 09
Bay State Trust Company	18,644 61
Beacon Trust Company	13,762 44
Boston Safe Deposit and Trust Company, ...	221,994 93
Columbia Trust Company	11,730 12
Federal Trust Company	145,737 26
International Trust Company	21,327 96
Massachusetts Loan and Trust Company, ...	46,169 13
Mercantile Trust Company	11,643 85
New England Trust Company	108,650 97
Old Colony Trust Company	109,105 02
Puritan Trust Company	9,329 72
State Street Trust Company	12,704 64
United States Trust Company	9,310 39
Union	10,020 84

Cash in Office		\$3,884,301 29
		147,603 94

Total cash resources	\$4,031,905 23
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INVESTMENTS JANUARY 31, 1901.

City of Boston 4 % Bonds	\$11,324,350 00
“ “ “ 3½ % “	9,575,280 00
“ “ “ 3¼ % “	29,000 00
“ “ “ 3 % “	1,729,000 00

County of Suffolk 4% Bonds	496,000 00
“ “ “ 3% “	595,000 00

Total investments	23,748,630 00
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		\$27,790,535 23
Total resources, cash and bonds, January 31, 1901		\$27,780,535 23

SINKING FUNDS DEPARTMENT.

5

INVESTMENT ACCOUNT.

Amount of investments January 31, 1900	\$24,079,630 00	
Purchased in 1900-1901:		
City of Boston 3½% Bonds	\$4,956,000 00	
City of Boston 3% Bonds	1,070,000 00	
City of Boston Temporary Loan, in anticipation of taxes	1,000,000 00	
Cochituate Water 3½% Bonds	200,000 00	
	<u>7,226,000 00</u>	
	\$31,305,630 00	
Matured in 1900-1901:		
City of Boston 4% Bonds	\$1,194,000 00	
City of Boston Temporary Loan	1,000,000 00	
Cochituate Water Loans	346,000 00	
County 3% Loans	17,000 00	
Cancelled in 1900-1901:		
Cochituate Water Loans	<u>5,000,000 00</u>	
	7,557,000 00	
	<u>\$23,748,630 00</u>	
Amount of investments January 31, 1901	\$23,748,630 00	

STATEMENT

OF THE CASH RECEIPTS AND DISBURSEMENTS OF ALFRED T. TURNER, TREASURER OF THE BOARD OF COMMISSIONERS OF SINKING FUNDS OF CITY OF BOSTON, FROM JULY 16, 1881, TO JANUARY 31, 1901, INCLUSIVE.

Amount of cash received from C. H. Dennie, Treasurer, July 16, 1881.....		\$1,365,928 20
Cash receipts:		
July 16, 1881 to April 30, 1882.....	\$3,696,475 98	
May 1, 1882 " " " 1883.....	4,955,195 34	
" 1, 1883 " " " 1884.....	4,997,400 18	
" 1, 1884 " " " 1885.....	4,291,180 57	
" 1, 1885 " " " 1886.....	3,418,975 23	
" 1, 1886 " " " 1887.....	4,663,236 32	
" 1, 1887 " " " 1888.....	4,229,152 62	
" 1, 1888 " " " 1889.....	6,388,433 83	
" 1, 1889 " " " 1890.....	4,859,804 01	
" 1, 1890 " " " 1891.....	6,040,412 79	
" 1, 1891 " Jan. 31, 1892.....	8,854,593 85	
Feb. 1, 1892 " " " 1893.....	10,163,938 71	
" 1, 1893 " " " 1894.....	8,825,587 39	
" 1, 1894 " " " 1895.....	3,859,602 59	
" 1, 1895 " " " 1896.....	3,503,808 09	
" 1, 1896 " " " 1897.....	5,549,707 11	
" 1, 1897 " " " 1898.....	4,874,163 99	
" 1, 1898 " " " 1899.....	7,498,039 43	
" 1, 1899 " " " 1900.....	6,849,420 80	
" 1, 1900 " " " 1901.....	11,125,441 30	
		118,644,570 13
Cash disbursements:		\$120,010,498 33
July 16, 1881 to April 30, 1882.....	\$2,619,174 81	
May 1, 1882 " " " 1883.....	5,988,629 28	
" 1, 1883 " " " 1884.....	4,774,324 39	
" 1, 1884 " " " 1885.....	2,864,567 54	
" 1, 1885 " " " 1886.....	4,527,025 97	
" 1, 1886 " " " 1887.....	5,398,858 89	
" 1, 1887 " " " 1888.....	2,734,208 80	
" 1, 1888 " " " 1889.....	4,599,541 89	
" 1, 1889 " " " 1890.....	5,727,351 99	
" 1, 1890 " " " 1891.....	5,805,116 34	
" 1, 1891 " Jan. 31, 1892.....	6,157,852 45	
Feb. 1, 1892 " " " 1893.....	10,704,092 71	
" 1, 1893 " " " 1894.....	10,937,072 56	
" 1, 1894 " " " 1895.....	6,275,546 27	
" 1, 1895 " " " 1896.....	2,981,044 88	
" 1, 1896 " " " 1897.....	5,053,486 91	
" 1, 1897 " " " 1898.....	3,199,681 15	
" 1, 1898 " " " 1899.....	8,028,590 75	
" 1, 1899 " " " 1900.....	6,891,425 52	
" 1, 1900 " " " 1901.....	10,711,000 00	
		115,978,593 10
Cash balance January 31, 1901.....		\$4,031,905 23

WATER WORKS FUND.

Established by order of the City Council, September 16, 1898, it forms no part of the resources of the Sinking Funds for City of Boston debt, but contains amounts placed in said fund by authority of the above order, and the income of the fund to be used to meet the sums assessed on the City of Boston by the Commonwealth of Massachusetts for Metropolitan Water Purposes.

Amount of Fund January 31, 1900 . . . \$5,151,077 39

Receipts in 1900-1901:

Interest on bank deposits .	\$2,377 09	
Interest on investments .	174,888 54	
		177,265 63

\$5,328,343 02

Disbursed in 1900-1901:

Paid to City Treasurer:

Vote of Board, December 6, 1900 . . .	\$251,000 00	
Vote of City Council, November 5, 1900, to cancel Water Debt .	5,000,000 00	
		5,251,000 00

Amount of Fund January 31, 1901 . . . \$77,343 02

Deposited to credit of Water Works Fund:

Globe National Bank	\$60,276 95
Merchants National Bank	17,066 07

\$77,343 02

Respectfully submitted,

ALFRED T. TURNER,

Treasurer.

BOARD OF COMMISSIONERS OF SINKING FUNDS.

Nathaniel J. Rust, <i>Chairman</i> .	term expires May 1, 1901
Ubert K. Pettingill . . .	term expires May 1, 1901
Edward H. Dunn . . .	term expires May 1, 1902
Joseph H. O'Neil . . .	term expires May 1, 1902
Frank G. Webster . . .	term expires May 1, 1903
Charles H. Allen . . .	term expires May 1, 1903

CITY OF BOSTON,
BOARD OF COMMISSIONERS OF SINKING FUNDS,
CITY HALL, April 4, 1901.

The Committee on Accounts of this Board, appointed to examine the investments of the Sinking Funds, having completed its examination, report that they find the amount of bonds as stated by the Treasurer, viz., \$23,748,630, is correct.

UBERT K. PETTINGILL,
EDWARD H. DUNN,
CHAS. H. ALLEN,

Committee on Accounts.

28 STATE STREET, BOSTON, May 8, 1901.

To the Board of Commissioners of Sinking Funds of the City of Boston:

GENTLEMEN, — As requested by you I have made the annual examination of the books and accounting matters of the Treasurer of your Board for the year which ended with the 31st day of January, 1901, and have the honor to submit to you the following report:

I inspected carefully the entries of all transactions for the year and reviewed in every detail all the clerical work performed — such as additions, postings and verification of balances. Finally, I traced all results into the trial balance sheet of January, 1901, which is a true abstract from the ledger.

I proved the correctness of the amount of cash — belonging to the different funds — deposited in the various banks and trust companies of the City, the total of which at the close of the fiscal year was \$4,031,905.23. I have examined closely Mr. Turner's annual report to you, and I certify that the statements therein as to the receipts and disbursements of cash, the amounts of investments, and the resources and debt liabilities of the Sinking Funds are true in all particulars to the best of my knowledge and belief.

The books and accounting affairs of the Board are as heretofore in admirable condition.

Yours very respectfully,

ANDREW STEWART,

Examiner of Accounts.





ANNUAL REPORT
OF THE
SOLDIERS' RELIEF DEPARTMENT

FOR THE
YEAR ENDING JANUARY 31, 1901.

CHARITY BUILDING, CHARDON STREET,
BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — In accordance with the requirements of the Ordinances, I hereby present a report of the work of this Department for the year.

Under the provisions of the different Acts of the Massachusetts Legislature, aid has been paid to soldiers and sailors who served in the war of the Rebellion and in the war with Spain and to the families of the same as follows:

Chapter 301, Acts of 1894, and chapter 374, Acts of 1899, to 2,493 persons . . .	\$123,537 96
Chapter 279, Acts of 1894, and chapter 372, Acts of 1899, to 271 persons . . .	27,835 61
<i>Carried forward . . .</i>	\$151,373 57

Brought forward . . . \$151,373 57

Chapter 447, Acts of 1890,
and chapter 279, Acts of
1893, to 601 persons . . . 47,243 61

Chapter 561, Acts of 1898,
and chapters 372 and 374,
Acts of 1899, Spanish war,
to 66 persons . . . 3,721 81

\$202,338 99

Under the provisions of chapter 279,
Acts of 1896, and chapter 164, Acts of
1897, payments for the burials of vet-
erans and the wives and widows of vet-
erans have been paid as follows :

Veterans . . . \$4,690 00
Wives, widows, and mothers . . . 1,400 00
Office expenses . . . 300 00

6,390 00

SALARIES.

Commissioner . . . \$3,500 00
Nine Clerks . . . 8,349 94

11,849 94

OFFICE EXPENSES.

Printing . . . \$195 17
Stationery . . . 103 39
Travelling expenses . . . 98 19
Telephone service . . . 126 98
Electric lighting . . . 19 85

543 58

\$221,122 51

Appropriation . . . \$228,500 00
Expenditures . . . 221,122 51

Balance . . . \$7,377 49

RECEIPTS.

There was received from the Commonwealth of Massachusetts as follows:

Chapter 304, Acts of 1899	.	\$127,643	42	
“ 372, “ “ 1899	.	16,966	90	
“ 561, “ “ 1898	.	3,569	51	
				\$148,179 83
Chapter 279, Acts of 1896, and chapter				
164, Acts of 1897	.			6,332 50
				<u>\$154,512 33</u>

Respectfully submitted,

REUBEN PETERSON,

Commissioner.



ANNUAL REPORT
OF THE
STATISTICS DEPARTMENT
FOR THE
YEAR ENDING JANUARY 31, 1901.

BOSTON, February 1, 1901.

HON. THOMAS N. HART,
Mayor of the City of Boston :

SIR, — We have the honor to submit the following report of the work of this Department for the year ending January 31, 1901.

The Board of Aldermen on April 23, 1900, confirmed your Honor's appointment of Mr. B. Rodman Weld to serve as Statistics Trustee for the five years ending April 30, 1905. Mr. Weld, who was one of the original members of the Board, succeeds himself, having been appointed by Mayor Quincy in 1897, to serve for three years from May 1, 1897.

Our office force consists of a secretary, chief clerk, editorial clerk, special clerk, statistical clerk, stenographer, and office boy. Mr. Brooks, the editorial clerk, being out of health, has been given leave of absence for one year from August 1, 1900. On November 16, 1900, with the approval of your Honor and of the Civil Service Commissioners of Massachusetts, we appointed on probation Mr. E. H. Davis, a graduate of the Massachusetts Institute of Technology, to

the post of statistical clerk. Having passed a special examination set by the Civil Service Commission, to their satisfaction, Mr. Davis entered on November 19, 1900, upon his term of service.

Since our last report Special Publications No. 4 and Special Publications No. 5 (advance sheets) have been published. Special Publications No. 6 and No. 7 are in the hands of the printer, and should be ready for distribution at an early day.

SPECIAL PUBLICATIONS No. 4.

This volume, comprising 144 pages, contains a number of tables which afford a review of the City's Receipts and Expenditures of Ordinary Revenue by years for the five years ending January 31, 1899. It is a continuation of the series of tables relating to estimates, appropriations, and ordinary expenditures, begun in our Special Publications No. 1, and, taken in connection with Nos. 1-3, affords a complete review of ordinary receipts and expenditures for the fiscal years 1892-93 to 1898-99. Special Publications No. 7, now in press, will continue the series and include the figures for the year 1899-1900.

SPECIAL PUBLICATIONS No. 5.

This publication contains ten tables specially prepared at the instance of your Honor to show the actual receipts and expenditures of the City in each of the fiscal years from 1885-86 to 1899-1900.

Table I. shows: (1) the actual income under the two headings of (a) taxes and other income, and (b) loans; (2) the actual expenditures; and (3) the resulting increase or diminution of the balance in the treasury at the end of the year. Under each head, averages for each five-year period and for fifteen years are given. The remaining tables analyze and classify with greater detail the items contained in Table I.

Table II. shows in detail the items of taxes and other income. The item of other income is divided into ordinary and extraordinary income; the latter, consisting in large part of the proceeds of property sold and of various sums received on betterments, or assessments, or as contributions from other corporations towards the cost of permanent improvements.

Table III. presents an analysis of receipts from loans issued. Table III.A gives a more detailed analysis of the receipts from loans than is contained in Table III., and

divides these receipts into three classes: (1) debt created inside the debt limit; (2) debt created outside the debt limit by special statutes; (3) water loans outside the debt limit. The table further shows the purposes for which these loans were issued.

Table IV. gives an analysis of the expenditures under three classes: (1) expenditures from regular department appropriations; (2) expenditures for Water Department; (3) expenditures from special appropriations.

Table V. gives an analysis of balances remaining in the treasury at the end of each fiscal year, and Table V.A shows the changes in those balances.

Table VI. gives (1) the gross receipts from taxes, (2) taxes refunded, (3) the net receipts from taxes. Table VI.B gives an analysis of the taxes refunded. In connection with the preceding table, it may be used to ascertain the net receipts from any particular class of taxes.

Table I., II., and a consolidation of VI. and VI.A constitute Tables I., II., and III. appended to your Honor's "Statement, March 19, 1900, to the Committees of the General Court." (See Document 104, 1900.)

In view of the significance of the facts subjected to statistical analysis for the period 1885-1900, we have undertaken to prepare similar tables for the preceding fifteen years, *i.e.*, 1870-1884, in order to indicate in summary form the growth of the receipts and expenditures of the City for equal periods before and after the establishment by statute in 1885 of the \$9 tax limit, which was changed by Chapter 399, Acts of 1900, to the present limit of \$10.50 per \$1,000 on the average of the assessed valuations for the preceding three years. Though the undertaking involves many difficulties it bids fair to yield valuable results.

SPECIAL PUBLICATIONS No. 6.

Special Publications No. 6 will make a volume of about 200 pages. It relates to the Extraordinary Receipts and Expenditures of the fiscal years 1892-93 to 1897-98. According to the classification we have adopted, extraordinary receipts consist of the proceeds of loans and of sums received and credited to loan appropriations or to special appropriations for the construction of some public work; while extraordinary expenditures consist of payments from such loan and special appropriations.

The scope and contents of this study may be described, in general terms, as follows:

I. The relation of this class of extraordinary receipts and expenditures to the other classes and to the total of receipts and expenditures is shown in a series of five consolidated financial statements, one for each year.

II. A summary table of extraordinary receipts and expenditures gives a balanced account for each of the five years. This table shows (1) the balance brought forward from the previous year; (2) the receipts on account of loans issued and from other sources; and (3) the net amount of sums transferred to loan and special appropriations from receipts of ordinary revenue to supply deficiencies in those appropriations; and on the other hand (4) the expenditures classified under thirteen heads; (5) the net amount of sums transferred from loan and special appropriations to supply deficiencies in ordinary department appropriations, and (6) the balance on hand at the end of the year.

III. Another summary table contains an analysis of the income and outgo of the entire period by thirteen main classes of expenditures. The balances at the beginning and end of the period, the loans issued, the receipts and expenditures are here assigned to their proper classes, *e.g.*, City Buildings, Library, Schools.

IV. Still another summary table (filling 17 pages) analyzes the total of each of the thirteen classes referred to in the preceding paragraph. This table shows the status of each of the special appropriations (amounting to more than 400) which make up those tables. The balance at the beginning of the five-year period is given, the amount of loans issued, the amount of other receipts credited to the appropriations, the amount expended during the five years, and the balance remaining to the credit of the appropriation at the end of the period. The amounts transferred to or from the several appropriations by order of the City Council are also given — so that each appropriation presents a balanced account for the period.

V. The remainder of the publication explains in detail the facts set forth in the summary tables II., III., and IV., and furnishes such additional information as is necessary to show the relation of expenditures made within the period under consideration, to expenditures of previous years upon the same specific objects. This portion of the publication, equal to nearly nine-tenths of the whole, is naturally divided into two parts: Part I. dealing with details of *Extraordinary Receipts*, and Part II. dealing with the details of *Extraordinary Expenditures*.

Part I. examines each item of extraordinary income, states

the nature of the receipts, the source from which they were derived and their final disposition.

Part II. analyzes in detail each of the special appropriations set forth in the summary described in IV. Since extraordinary expenditures consist for the most part of payments for construction of public buildings, or other public works requiring a considerable period of time for completion, it is necessary, in order to give the reader an idea of the meaning of the expenditure which was made during the period under consideration, to follow the history of each separate piece of work from the time it was begun until it be completed or, in the case of uncompleted work, until the end of the period under consideration be reached.

Throughout the publication each piece of work is treated in great detail. The nature of the work performed is described. The history of the progress of the work is followed from its beginning to its completion, or to the end of the period under consideration, and a history of each appropriation is given with references to the orders of the City Council or acts of the Legislature authorizing the expenditure. A balanced statement of each appropriation is given, showing on the income side of the account the source from which the money was derived, whether from an issue of bonds, an appropriation from ordinary revenue, or a transfer from some other appropriation, and showing, also, on the expenditure side of the account, the expenditures in each fiscal year and the amounts transferred from such appropriation to other appropriations. Amounts expended within the period under consideration are carried out into a special column at the right of the page, thus showing at a glance the relation of such expenditure to the total cost of the work.

The various pieces of work are moreover grouped according to their nature, each group forming a separate portion or chapter in Part II. The titles of these portions or chapters sufficiently indicate their contents, as follows: (I.) City Buildings, (II.) County Buildings, (III.) Police Department, (IV.) Fire Department, (V.) Institutions, (VI.) Parks and Public Grounds, (VII.) Streets, Sewers, Bridges and Ferries, (VIII.) Rapid Transit, (IX.) Library, (X.) Schools, (XI.) Statues and Monuments, (XII.) Miscellaneous, and (XIII.) Water Supply. All of these chapters are contained in this publication, except Chapter VII., on Streets, Sewers, Bridges, and Ferries.

As we have already noted, the detailed history of the special appropriations included in Chapter VII., on Streets, Sewers, etc., is not contained in the publication under con-

sideration. The labor involved in tracing the history of the 229 appropriations grouped under this head has been very great, and has been considerably complicated by the system of special assessments. The greatest difficulty experienced has been in the case of the general loans for street work, particularly the loan for Laying-out and Construction of Highways and that for Blue Hill and other avenues. As a large amount of work still remained to be done on this group of appropriations, it was thought best to omit the detailed description belonging to Chapter VII. for the present. It is our purpose to publish this description of the street work as a separate publication.

MONTHLY BULLETIN.

The Monthly Bulletin established in 1899 has been continued during the past year. Each number bears the date of the last preceding month for which complete returns are available. Owing to circumstances beyond our control it has appeared less regularly than we wished. The following is a descriptive list of the principal special studies which we have published in the Appendix to the Bulletin.

Bulletin No. 11, Volume 1, November, 1899.

Foreign Commerce of the Principal Ports of the United States, 1890-99.

This article contains a series of ten tables, compiled from the *United States Commerce and Navigation Reports*, and shows the position of New York, Boston, and the three other chief ports in relation to the foreign commerce of the country during the decade. In respect to total trade Boston was second to New York in every one of the ten years. In imports, Boston was also second, except in the year 1894 when a drop of nearly twenty millions of dollars in the value of imports at Boston gave Philadelphia precedence over her. As regards exports, Boston was less frequently second to New York; in 1890, 1891, 1892, and 1897 New Orleans was second, and Baltimore in 1898; for the five years, 1890-94, New Orleans came next to New York; but for the five years, 1895-99 Boston was second; while for the decade Boston is third, being led by New Orleans by less than \$3,000,000. In 1899, Boston was credited with 9.36 per cent. of the total trade of the United States, 7.47 per cent. of the imports, and 10.43 per cent. of the exports.

The largest per cent. of increase in the trade of Boston in any year was 14.85 in 1896; the largest decrease being 22.74 in 1894. In respect to imports, the largest increase was 32.96 per cent in 1895, and the largest decrease 42.92 in 1898; while as regards exports, the largest increase amounted to 16.53 per cent. in 1898, and the largest decrease to 1.97 in 1893.

The tables show that, in the ten years, the aggregate commerce of the five chief ports in proportion to the total commerce of the country has diminished (the smaller ports of Galveston, Newport News, Savannah, and San Francisco having greatly increased, especially in exports).

Bulletin, No. 12, Volume I., December, 1899.

The Appendix to this Bulletin embraces: (1) Summary Tables for the Year, 1899; (2) Expenditures of Public Institutions, 1894-99, and (3) Boston Election Statistics — Ten Years.

(2.) *Expenditures of Public Institutions, 1894-99.*—In 1897 the Institutions Department was divided into five separate departments, by Act of Legislature. In this study the increase of total expenditures for public institutions for the period 1894-95 to 1899-1900 is shown by years, and the per cent. of annual increase is given. That per cent., which varied between 9.84 in 1895-96, and 0.99 in 1897-98 was 5.34 in 1899-1900. It is shown that the published accounts of the Institutions Department prior to 1897 do not furnish sufficiently detailed statements to serve as the basis of an accurate comparison of certain classes of expenditure throughout the period, *e.g.*, for the support of dependent children, paupers, and insane. However, a table is given which does afford a comparison as respects the expenditures of the several departments charged with the care and support of children, insane, paupers, and criminals for the two fiscal years since the reorganization of the Institutions Department, *viz.*, 1898-99 and 1899-1900.

(3.) *Boston Election Statistics.—Ten Years, 1890-99.* This article, which deals mostly with relative numbers, *i.e.*, per cents., embodies an attempt to determine the degree of interest shown by the electorate in the several National, State, and City elections which occurred within the decade. It contains twelve principal tables which show by years the relations of the total number of votes cast to (1) the number of assessed polls, and (2) the number of registered voters at State and City elections. In Tables II.-X. the per-

centages are given by wards, as well as for the city as a whole. Tables I. to IX. are summary tables. Table I. shows (1) the per cent. of assessed polls registered, and (2) the per cent. of registered voters who voted for President and Governor at State elections, and for Mayor and on the license question at City elections. Table XII. shows the per cent. of assessed polls, who voted at the elections covered by Table I. Table X. shows, by wards, the per cent. of registered women voters who voted for School Committee, and Table XI. the per cent. of registered voters who voted on nine referenda in the course of the decade. In general the tables bear witness to the fact that the voters of Boston show most interest in the election of President and are more interested in the election of Mayor than in the election of Governor, the question of license, or in any referendum. Incidentally it is shown that though Boston and Baltimore are nearly equal as regards population, the voters of Baltimore register and vote in larger numbers than those of Boston.

Bulletin, Nos. 1, 2, and 3, Volume II., March, 1900.

(1.) *Tax-Rate, Valuation, and Indebtedness of Massachusetts Cities, 1899, 1898.*—This article contains several tables, compiled from the State Census of 1895 and various public documents of the Board of Health, Tax Commissioner, etc., for the years 1898 and 1899, and affords a comparison between the tax-rates, etc., of the years specified. Boston, in 1899, with the largest population, valuation, and net debt had the lowest tax-rate (as was the case in 1898); having the largest net debt, it, nevertheless, had a smaller per capita debt than Newton, by \$56.85, — and had a smaller percentage of net debt to valuation than seventeen out of the thirty-two cities of the State.

(2.) *Boston School Census.*—Two tables are given showing the results of the annual school census made in September, 1899. The tables give (1) the number at public schools, at private schools, and not attending school, for each ward of the city, and (2) a comparison by wards for the years 1898 and 1899. Of the total children between 5 and 15 years of age, 76.55 per cent. go to public schools, 15.62 per cent. go to private schools, and 7.83 per cent. attend no school. There was a gain in the number of persons between the ages of 5 and 15 years of 3,408 from 1898, though a loss is recorded for Wards 2, 9, 11, 12, 18, and 22. The losses in Wards 9 and 11 were 316 and 331 scholars, respectively. The loss in Ward 2 was 149.

(3.) *Infant Mortality in Massachusetts Cities, 1891-97.*— This is taken from the Thirtieth Annual Report of the State Board of Health of Massachusetts, and affords a comparison of the several cities in the State in respect to births and deaths of infants under one year, and their death-rates.

Bulletin, No. 4, Volume II., April, 1900.

(1.) *Valuation Statistics, 1899.* — The number of square feet of land taxed, the assessed valuation of this land, and the assessed valuation per square foot, are given for each ward, and for the City. The analysis gives the amount, valuation, and valuation per square foot of the occupied land as contrasted with vacant land, and of the vacant land under the two headings of "vacant upland," and "marsh and flats." The average assessed valuation of all the land taxed is nearly \$0.66 per square foot, varying from \$0.05 per square foot in Ward 23 (West Roxbury) to \$15.85 in Ward 7 (the business centre). The average assessed valuation of the occupied land is \$1.49 per square foot, varying from \$0.13 in Ward 23 to \$16.69 in Ward 7. The average assessed valuation of the vacant land is, for vacant upland, \$9.17 varying from \$0.04 to \$12.27; for marsh and flats, \$0.04, varying from \$0.005 to \$1.12. Of the total area of land taxed 62 per cent. is classed as vacant land, and only 38 per cent. as occupied land.

Bulletin, No. 5, Volume II., May, 1900.

Contains no appendix article.

Bulletin, Nos. 6, 7, and 8, Volume II., August, 1900.

(1.) *Boston Elections, 1899.* — A series of tables is presented here to show the degree of interest manifested by the registered voters of Boston in the questions passed upon at the State election of November 7, and the City election of December 12, 1899. The per cent. of actual to possible vote being taken as the standard of measure, the mean degree of interest was 69.69 per cent. of the possible vote at the City — against 59.26 at the State election; the extremes at the City election being 79.07 per cent. of the possible vote for Mayor, and 64.94 of the possible vote for School Committee; while the corresponding per cents at the State election were 61.78 for Governor and 55.86 for Representatives to the General Court. Tables are given showing the possible vote, actual vote, and percentage of actual vote

by precincts as regards the vote for Mayor, and the vote for School Committee; and in other tables the same analysis is set forth by wards with respect to the contest for Mayor, Street Commissioner, Aldermen, Councilmen, and School Committee, and also the questions submitted as referenda.

(2.) *Population of Thirty Principal Cities of the United States.* — A table is given showing by decades the population, relative rank, and percentage of increase of population of the thirty principal cities of the United States, under the headings seaboard, lake, river, and interior cities for the period 1880–1900.

Bulletin, No. 9, Volume II., September, 1900.

(1.) *Tax-Rates of Massachusetts Cities, 1880–1899.* — Three tables show the annual tax-rates of all the cities of Massachusetts from 1880 to 1899, the variation in those rates, and the average tax-rates by periods of five, ten, and twenty years. The average tax-rate showed a tendency toward decrease from 1880–84 to 1890–94, falling from 16.16 to 15.91, and then an opposite tendency, making a marked rise to \$16.82, in 1894–99. This movement finds its general reflection in the mean tax-rate of the State as a whole. The State mean, however, reached its lowest point in the second five year period, 1885–89; the tendency in the last decade being one of decided gain. As regards the ten-year periods the correspondence in the changes in the means is apparent.

The table of annual tax-rates shows the mean City tax-rate to have been highest in 1899, \$17.26, and lowest in 1890, \$15.50. Similarly, the mean rate of the State, if we except the crisis year of 1884, will be seen to be highest in 1899, \$15.78, and lowest in 1885, \$14.14.

(2.) *Analysis of Loans Issued, 1893–94 to 1897–98.* — This table shows, with summary, the amount of loans issued by the City, in each fiscal year, and their terms, rates of interest, and relation to the debt limit. The total of loans issued in each of the years is as follows: 1893–94, \$5,558,325; 1894–95, \$6,655,300; 1895–96, \$6,793,850; 1896–97, \$8,274,800; and 1897–98, \$8,627,600. For the first three of the years the larger part of the loan was made for a 20-year term, at 4 per cent.; but in the latter two years the larger part has been for terms of 30 and 40 years, the rate falling to 3½ per cent. The proportion of the loan issued outside of the debt limit was 44 per cent. in 1893–94, 41 per cent. in 1894–95, 52 per cent. in 1895–96, 65 per cent. in 1896–97, and 62 per cent. in 1897–98.

Bulletin, No. 10, Volume II., October, 1900.

(1.) *Distribution of Population, by Wards, in Boston, in 1895 and 1900.* This report gives (1) a table showing the actual population and per cent. of population in each ward in 1895 and in 1900, and the increase or decrease in each ward during the five years, and (2) a diagram showing by figures on a map of Boston the population of Boston by wards, in 1900, the change since 1895, and the per cent. of population in each ward. In comparison with 1895, six wards show losses in population. There are two wards containing over 5 per cent. each of the City's population, 12 wards which contain over 4 per cent. each, 8 wards each having over 3 per cent. Comparing the growth of Boston with that of the zone of the Metropolitan District made up by the 14 municipalities contiguous to Boston, we have shown that the growth of the immediately encircling suburbs was 4.07 per cent. greater than that of the City in the period 1895-1900, — and 14.34 per cent. greater in the period 1890-1900.

(2.) *Boston School Census, 1900.* A table gives the number of school children by sex with appropriate age-subdivisions, in each ward of the City, and classifies them as (1) attending public schools, (2) attending private schools, and (3) not attending school. This table, though fuller in respect to age periods, is in the main similar to the tables relating to the School Census of 1899 in the March number of the Bulletin, which has been described already. While the total population of Boston increased 12.87 per cent. in the period 1895-1900, the School Census shows an increase in school children of 16.83 per cent. in the same period.

MUNICIPAL REGISTER.

This Department, in accordance with a vote of the Joint Committee of the City Council on Rules and Orders, has been intrusted with the work of compiling the copy for the Municipal Register of 1900, and seeing it through the press. Our efforts to secure an early issuance of the Register were frustrated, in a measure, by the fact that the Common Council postponed the final adoption of its Rules till June 7, 1900, and by untoward delays encountered in printing. At our suggestion the Joint Committee on Rules and Orders authorized the publication of a document edition of the Register in addition to the usual edition bound in cloth.

The Register for 1900, which conforms to the make-up adopted in 1899, contains 296 pages, or 21 pages more than the Register of 1899. This increase in the number of pages

results partly from the fact that in 1900 the Aldermen were elected to represent districts instead of being elected for the City at large, as in 1899, twice as much space being required to present the results of the vote for Aldermen in proper form; and partly from the introduction of new tables of election statistics, viz., tables showing, I., the vote for Mayor in 1899 by precincts as well as by wards; II., summary tables, showing the results as regards (1) possible vote, (2) actual vote, and (3) per cent. of actual to possible vote at the State and City elections of 1899 for the principal officials; III., tables showing for the City election of 1899 by wards, (1) the possible vote, (2) actual vote, and (3) the per cent. of actual to possible vote, for Mayor, Street Commissioner, Aldermen, Councilmen, School Committee, and on three referenda.

CITY RECORD.

Eighteen numbers of the third volume of the City Record were published, up to the time of its suspension by order of your Honor, in May, 1900, owing to the insufficiency of the appropriation (\$500) for its continuance. House Bill No. 654, entitled "An Act relative to the Advertising of Legal Notices in the County of Suffolk and City of Boston," was introduced at the instance of your Honor with a view to making the City Record self-supporting. The provisions of the bill were as follows:

SECTION 1. All notices or advertisements relating to contracts or other matters required by law to be made in newspapers by the City of Boston, or the officers or departments thereof, shall be deemed to be so made if made in the weekly publication of said city, entitled The City Record.

SECT. 2. All notices required by law or by court or other authority to be advertised in some newspaper published in the County of Suffolk or in the City of Boston, or printed therein, shall be deemed to be so advertised if advertised in said publication.

SECT. 3. This act shall take effect upon its passage.

The bill was referred to the Committee on the Judiciary on February 1, 1900. Your Honor advocated its passage at the hearing on March 1, and on March 20 the committee reported that it ought not to pass. Had the bill been enacted the expense of publishing the City Record could doubtless have been more than met by the proceeds from advertising legal notices.

In addition to the work in hand already noted, viz., the preparation of (1) a detailed account of loans and special appro-

priations for Streets, Sewers, Bridges and Ferries, and (2) of Special Publications No. 5, showing actual receipts and expenditures of the City for the period 1870-1900, we have undertaken several special studies, among which we may mention lists of the members of the School Committee since its establishment, tables relating to the death rates by individual years of age and by sex in the Census years since 1875, statistics of elections since 1890, statistics of votes in Massachusetts and the Town or City of Boston on all questions referred to the people, including amendments to the Constitution, since 1778.

It is our purpose also to make a digest of the returns of the United States Census of 1900, so far as they relate to the City of Boston, as soon as the publications of the Census office admit. It is eminently desirable that the United States Census office should furnish us with transcripts of its returns relating to this City, in order that we may make as full and detailed a digest as possible; the more so as the publications of the national Census usually fail to give as much detailed information regarding Boston as is given by the Massachusetts Census. If the Census authorities can be induced to aid us in this matter, we shall be enabled to place our municipal statistics on a more scientific basis than is possible at present.

The distribution of the public documents of the City among individual libraries, and to the executive departments of other cities, and the securing of municipal and governmental reports and publications in return, continues to form a considerable and important part of our work.

During the year 435 persons or institutions have received regularly one or more of our publications (exclusive of their regular distribution among the departments of the City); there are included in the foregoing statement 94 cities and 36 statistical offices. Thanks to the facilities afforded us by the Smithsonian Institution in Washington, our exchange of documents and publications with foreign cities, etc., has been effected with a minimum of expense and trouble. We have forwarded to our correspondents, through the Smithsonian Institution, 983 packages.

Respectfully submitted,

LAURENCE MINOT, *Chairman.*

GORDON ABBOTT.

CHARLES F. FOLSOM.

DAVIS R. DEWEY.

B. RODMAN WELD.

WILLIAM JACKSON.

APPENDIX.

STATEMENT OF EXPENDITURES.

STATISTICS DEPARTMENT.

General Classification of Expenditures, 1900-1901.

Appropriation	\$13,900 00
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Expenditures.

1. Secretary	\$3,000 00
2. Clerk-hire	4,007 76
3. Messenger	230 00
4. Printing	2,011 26
5. Type	349 60
6. Stationery and supplies	90 53
7. Books and periodicals	21 49
8. Postage	149 71
9. Express charges	35 04
10. Repairs, office expenses	1 82
11. Telephone	117 41
	10,014 62

Balance unexpended	<u>\$3,885 38</u>
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THE CITY RECORD.

General Classification of Expenditures, 1900-1901.

Appropriation	\$500 00
Balance from previous year	300 74

Receipts from advertisements:

1899	\$558 13
1900	324 67
	882 80

Receipts from subscriptions	121 35
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	\$1,804 89

Expenditures.

1. Publication	*\$1,330 19
2. Stationery and supplies	9 23
3. Books and periodicals	4 77
4. Binding	37 50
5. Postage	20 85
6. Rent	15 00
7. Refunded subscriptions	83 85
	1,501 39

Balance unexpended	<u>\$303 50</u>
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*There were bills outstanding and unpaid at the end of the fiscal year 1900-1901, to the amount of \$794.09. This amount, added to the \$1,330.19, makes up the \$2,124.28 of gross cost of publication shown on page 15.

ANALYSIS OF COST OF PUBLICATION OF THE CITY RECORD.
VOLUME III., 1900.

Number of Issue.	Gross Cost of Publication.	RECEIPTS FROM ADVERTISEMENTS.			Net Cost of Publication.	Number of Copies per Issue.	Number of Pages per Copy.	Number of Ems per Copy.
		Amount Charged.	Amount Collected.	Amount Un-collected, Jan. 31, 1901.				
1.....	\$99 86	\$2 75	.....	\$2 75	\$97 11	900	12	74,917
2.....	112 21	11 26	11 26	.....	100 95	1,000	12	82,842
3.....	107 83	21 27	12 64	8 63	86 56	950	12	79,304
4.....	175 98	3 50	3 50	.....	172 48	1,000	12	121,730
5.....	151 86	20 52	8 38	12 14	131 34	950	16	112,363
6.....	119 34	11 25	8 00	3 25	108 09	950	16	91,742
7.....	123 31	37 15	37 15	.....	86 16	950	16	96,432
8.....	112 26	5 13	.....	5 13	107 13	950	16	81,292
9.....	112 93	20 14	20 14	....	92 79	1,000	20	87,447
10.....	98 59	6 26	6 26	.....	92 33	950	20	69,582
11.....	116 02	76 78	71 27	5 51	39 24	1,000	20	77,382
12.....	92 18	27 89	19 64	8 25	64 29	950	16	53,861
13.....	89 85	20 01	9 13	10 88	69 84	950	16	50,045
14.....	129 88	10 76	8 01	2 75	119 12	950	20	81,466
15.....	115 14	40 64	38 14	2 50	74 50	950	20	75,856
16.....	117 54	53 78	46 02	7 76	63 76	950	20	80,269
17.....	116 47	30 51	25 13	5 38	85 96	1,000	20	76,029
18.....	111 74	.....	.....	.....	111 74	950	20	70,799
19.....	21 29	.....	.....	.....	21 29	.....	.....	33,878
Total	\$2,124 28	\$399 60	\$324 67	\$74 93	\$1,724 68	17,300	304	1,497,236
*Average.	\$118 02	\$22 20	\$18 04	\$4 16	\$95 82	961	17	83,180

* Average is figured as of 18 issues.

ANALYSIS OF GROSS COST OF PUBLICATION.

NO. OF ISSUE.	Composi- tion.	Author's Corrections.	Press work.	Stock.	Bind- ing.	Broadside.	Wrapping, Addressing and Delivery.	Table Work.	Total.
1.....	\$68 57	\$7 00	\$7 50	\$6 19	\$3 85	.....	\$5 75	\$1 00	\$99 86
2.....	81 23	6 00	7 50	6 88	3 85	.....	5 75	1 00	112 21
3.....	76 70	7 50	7 50	6 53	3 85	.....	5 75	.....	107 83
4.....	132 10	9 00	10 50	12 13	5 50	.....	5 75	1 00	175 98
5.....	113 55	9 00	10 00	8 71	3 85	.....	5 75	1 00	151 86
6.....	81 03	9 00	10 00	8 71	3 85	.....	5 75	1 00	119 34
7.....	84 00	10 00	10 00	8 71	3 85	.....	5 75	1 00	123 31
8.....	72 95	10 00	10 00	8 71	3 85	.....	5 75	1 00	112 26
9	76 38	.....	12 50	11 46	4 40	.....	5 75	2 44	112 93
10.....	62 62	.....	12 50	10 88	4 40	.....	5 75	2 44	98 59
11.....	69 17	.....	12 50	11 46	4 40	\$10 30	5 75	2 44	116 02
12.....	47 43	15 00	10 00	8 71	3 85	.....	5 75	1 44	92 18
13.....	45 10	14 00	10 00	8 71	3 85	.....	5 75	2 44	89 85
14.....	69 91	25 00	12 50	10 88	4 40	.....	5 75	1 44	129 88
15.....	66 17	13 00	12 50	10 88	4 40	.....	5 75	2 44	115 14
16.....	70 07	12 50	12 50	10 88	4 40	.....	5 75	1 44	117 54
17.....	67 92	13 00	12 50	11 46	4 40	.....	5 75	1 44	116 47
18.....	63 28	12 50	12 50	10 87	4 40	.....	5 75	2 44	111 74
19.....	21 29	.....	.....	.....	.....	.....	.....	.....	21 29
Total ..	\$1,369 47	\$172 50	\$193 00	\$172 76	\$75 35	\$10 30	\$103 50	\$27 40	\$2,124 28

COLLECTIONS FOR ADVERTISING VOL. I. — THE CITY
RECORD.

NO. OF ISSUE.	Outstanding, Jan. 31, 1900.	Cancelled, 1900-1901.	Unpaid, Jan. 31, 1901.
5.....	\$9 87	.....	\$9 87
6.....	5 88	.....	5 88
7.....	4 75	.....	4 75
8.....	7 13	.....	7 13
10.....	5 88	.....	5 88
13.....	5 25	.....	5 25
16.....	5 50	.....	5 50
17 ..	6 25	.....	6 25
19.....	5 75	.....	5 75
20.....	7 75	.....	7 75
26.....	5 75	.....	5 75
30.....	5 25	.....	5 25
31.....	20 88	\$3 50	17 38
32.....	8 88	.....	8 88
39 ..	5 38	.....	5 38
46.....	5 63	.....	5 63
51.....	5 63	.....	5 63
Total.....	\$121 41	\$3 50	\$117 91

COLLECTIONS FOR ADVERTISING, VOL. II.—THE CITY RECORD.

NO. OF ISSUE.	Outstanding Jan. 31, 1900.	Paid, 1900-1901.	Unpaid, Jan. 31, 1901.
11.....	\$5 13	.....	\$5 13
14.....	5 13	.....	5 13
16.....	5 13	.....	5 13
19.....	10 26	\$4 88	5 38
22.....	3 00	3 00	.....
24.....	21 63	16 13	5 50
29.....	5 63	5 63	.....
30.....	16 01	10 76	5 25
31.....	28 26	18 26	10 00
32.....	17 26	17 26	.....
33.....	10 00	10 00	.....
34.....	13 38	8 00	5 38
35.....	7 26	.....	7 26
36.....	22 26	18 51	3 75
37.....	26 14	20 76	5 38
38.....	6 63	5 00	1 63
39.....	17 38	15 00	2 38
40.....	38 52	35 64	2 88
41.....	48 90	48 90	.....
42.....	42 14	42 14	.....
43.....	20 63	20 63	.....
44.....	43 78	42 03	1 75
45.....	20 51	20 51	.....
46.....	38 40	31 27	7 13
47.....	47 28	47 28	.....
48.....	19 88	19 88	.....
49.....	64 77	45 89	18 88
50.....	10 88	10 88	.....
51.....	36 39	36 39	.....
52.....	3 50	3 50	.....
Total	\$656 07	\$558 13	\$97 94

STATISTICS DEPARTMENT.

Inventory of Books and Periodicals.

	Bound Volumes.	Unbound.	Total.
General Library.....	84	423	507
Periodicals.....	2	53	55
City Documents (Boston).....	435	606	1,041
State Documents (Massachusetts).....	248	140	388
Other State Documents.....	11	60	71
United States Documents.....	93	178	271
Cities (United States).....	296	290	586
“ (Great Britain).....	50	109	159
“ (Germany).....	25	264	289
“ (France).....	21	121	142
“ (All other).....	45	188	233
Total	1,310	2,432	3,742

INVENTORY OF OFFICE FURNITURE.

General Office.

1 table.	11 chairs.
2 roll-top desks.	1 hat tree.
1 flat-top desk.	5 waste paper baskets.
1 typewriter cabinet.	1 Remington typewriter.
2 bookcases.	1 Edison mimeograph.
1 revolving bookcase.	4 cuspidores.
1 letter file.	1 water cooler.
1 letter press.	5 drop lights.

Board Room and Library.

1 table.	14 chairs.
1 roll-top desk.	1 stepladder.
1 revolving bookcase.	2 cuspidores.
3 bookcases.	2 waste paper baskets.
1 hat tree.	

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ANNUAL REPORT
OF THE
STREET DEPARTMENT
FOR THE YEAR 1900-1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR, — In compliance with the Revised Ordinances, the annual report of the operations and expenses of the Street Department for the year 1900 is herewith respectfully submitted.

ORGANIZATION.

The work of the Department during the past year has been carried on under the same organization that was effected when the consolidated Department was created in 1891, and as amended in 1895, the several Divisions of the Department being as follows:

Central Office.	Paving Division.
Boston and Cambridge	Sanitary Division.
Bridges.	Sewer Division.
Bridge Division.	Street-Cleaning Division.
Ferry Division.	Street-Watering Division.

Each of the above Divisions, with the exception of the Central Office and the Boston and Cambridge Bridges, is in charge of a Deputy Superintendent.

The Boston and Cambridge Bridges are managed by two commissioners, the Superintendent of Streets being the commissioner for the City of Boston, the other commissioner being appointed by the Mayor of the City of Cambridge.

APPROPRIATIONS.

The money assigned for Street Department work for the past year was made available under the following appropriations :

First. — Maintenance: From income of the City raised by taxes. At the commencement of the financial year, February 1, the Department estimates of the amounts necessary for the proper maintenance of the various Divisions are submitted to His Honor the Mayor, who makes such recommendation as he may deem proper to the City Council. The maintenance appropriations, as passed by the City Council, were as follows :

Central Office	\$20,000 00
Bridge Division	173,000 00
Cambridge and Boston Bridges	18,500 00
Ferry Division	237,000 00
Paving Division	780,000 00
Sanitary Division	600,000 00
Sewer Division	350,000 00
Street-Cleaning Division	330,000 00
Street-Watering Division	175,000 00
Total	\$2,683,500 00

Second. — Work done under appropriations for permanent improvements: There was made available by the City Council from income of the City raised by taxes \$1,031,200 for general new or reconstruction work, and for special items, as follows :

Bridge Division	\$18,000 00
Paving Division	388,200 00
Street Improvements (\$25,000 to each ward)	625,000 00
Total	\$1,031,200 00

Third. — Work done under appropriations for permanent improvements: There was made available by the City Council from money within the debt limit \$96,300 for new work as follows :

Bridge Division	\$6,300 00
Paving Division	15,000 00
Sanitary and Street Cleaning Divisions	75,000 00
Total	\$96,300 00

Fourth. — In 1891 an Act was passed by the Legislature, and amended in 1897, entitled, "An Act Relating to the Location, Laying-Out and Construction of Highways in the City of Boston." (Chap. 323, Acts of 1891.) Loans under this Act are outside the debt limit. From this fund new streets assessable on the abutting property are built. The amount expended the past year was :

Streets	\$84,497 31
-------------------	-------------

Fifth. — In 1899 an Act was passed by the Legislature entitled, "An Act relative to Laying-Out and Construction of Highways in the City of Boston." (Chap. 443.) Loans under this Act are outside the debt limit. The amounts expended for street construction last year in each district were as follows :

District.	
Brighton	\$11,800 23
Dorchester	112,872 71
East Boston	62,934 32
Roxbury and West Roxbury	70,337 07
Total	\$257,944 33

Sixth. — In 1895 an Act was passed by the Legislature, and amended in 1898, entitled, "An Act to provide for the Laying-Out and Construction of Certain Highways in the City of Boston" (commonly known as the Boulevard Act). (Chap. 334 of 1895; chap. 236 of 1898.) Loans under this Act are outside the debt limit. The amount expended this year was as follows :

Streets	\$58,677 26
-------------------	-------------

Seventh. — In 1899 an Act was passed by the Legislature, entitled, "An Act relative to Stony Brook in the City of Boston." (Chap. 397.) Under this Act the loan is outside the debt limit. The amount expended this year was \$198,481.35.

Eighth. — In 1895 an Act was passed by the Legislature, entitled, "An Act relative to the establishment of a New Ferry Landing in the City of Boston." (Chap. 435.)

Under this Act the loan is outside the debt limit. The amount expended this year was \$96,191.74.

In 1898 the City of Boston sold to the United States Government the ferry-boats "Governor Russell" and the "East Boston" for the sum of \$71,000 and \$57,500, respectively, making a total of \$128,500, which, under an order of the City Council, was transferred to an appropriation for "New Ferry-boats." The amount expended this year was \$8,781.81.

Ninth. — In 1896 an Act was passed by the Legislature, entitled, "An Act to provide for a Union Station for Passengers on Railroads Entering the Southerly part of the City of Boston." (Chap. 516.) Loans under this Act are outside the debt limit. The amount expended this year was as follows:

Streets	\$28,556 98
-------------------	-------------

Tenth. — In 1897 an Act was passed by the Legislature, entitled, "An Act Relative to the Sewerage Works of the City of Boston." (Chap. 426.) Under this Act the loan is outside the debt limit. From this fund all "Sewerage Works" are built.

The amount expended the past year was . \$921,140 48

Eleventh. — In 1900 an Act was passed by the Legislature and accepted by the City Council entitled, "An Act Relative to Laying Out and Constructing Highways in the City of Boston." (Chap. 478.) Under this Act the loan is inside the debt limit. From this appropriation all street and sewerage works construction in highways laid out previous to July 17, 1900, may be built. On account of the date of its acceptance by the City Council (December 29, 1900) no expenditures were incurred in 1900. The amount appropriated under this Act was \$1,300,001.

Thus the expenditures under the several appropriations of the year 1899 were as follows:

From Income of the City Raised by Taxes.

Maintenance	\$2,681,843 71
Street Improvements, by wards	436,962 80
Bridge, specials	6,468 37
Paving, specials	248,465 37

From Loans Inside the Debt Limit.

Bridge, specials	2 00
Paving, specials	23,225 73
Street Improvements, by wards	17,421 73

Carried forward \$3,414,389 71

Brought forward \$3,414,389 71

From Loans Outside the Debt Limit.

[Repaid in part to City Treasury by assessment for benefits.]

Laying-Out and Construction of Highways,	84,497 31
Laying-Out and Construction of Highways, by Districts:	
Brighton	11,800 23
Dorchester	112,872 71
East Boston	62,934 32
Roxbury and West Roxbury	70,337 07
Blue Hill and other Avenues (Boulevard Act)	58,677 26
Stony Brook Improvement (Chap. 397, Acts of 1899)	198,481 35
New Ferry Landing	96,191 74
New Ferry-boats	8,781 81
South Union Station	28,556 98
Sewerage Works	921,140 48
Total	<u>\$5,068,660 97</u>

From the moneys provided, as shown in the preceding schedule, the maintenance force of the Department has been permanently and constantly employed during the year, and large amounts of work have been performed by contract, as required by the provisions of many of the Acts providing loans for expenditure by this Department.

Specific features of the work are referred to under the headings which follow, and the work of the Divisions is fully shown in the Appendices attached to this report.

SURETY BONDS.

Much difficulty has in the past been experienced by the Law Department in protecting the City against loss, which it has sustained at the hands of those holding permits from this Department, guaranteed by personal sureties, for doing work in, or occupying the streets. Sureties were found to have disposed of property of which they were possessed when offering themselves as guarantees upon these bonds; and, because of this oft occurring condition, the Department decided to refuse all personal sureties and to accept only the guarantee of the surety companies authorized to do business in the Commonwealth of Massachusetts, fourteen in number.

THE STREET DEPARTMENT DISTRICTS.

Early in the year the ten districts into which the City is

divided for the purpose of this Department, were re-established as follows :

CITY OF BOSTON—STREET DEPARTMENT.

DESCRIPTION OF DISTRICTS. 1900.

The City of Boston is hereby divided into Street Department Districts, ten in number, described and bounded as follows :

District No. 1, South Boston.—Bounded southerly upon District No. 6, Dorchester, namely, from a point on the N. Y., N. H. & H. R.R., Midland Division, north of Massachusetts avenue, in the line of extension of Willow court, thence by and including Willow court and Mt. Vernon street, to the N. Y., N. H. & H. R.R., Plymouth Division, thence by the line of Carson street extended to the harbor.

District No. 2, East Boston and Breed's Island.

District No. 3, Charlestown.

District No. 4, Brighton.—Bounded easterly upon District No. 9, Back Bay, namely, from the Charles river by and including St. Mary's street.

District No. 5, West Roxbury.—Bounded northerly upon District No. 7, Roxbury, namely, from Brookline line by and including Chestnut street to Perkins, Perkins street to Centre, Centre street to Paul Gore, Paul Gore street to Lamartine, Lamartine street to Boylston, Boylston street to Washington, Washington street to Seaver, Seaver street to Blue Hill avenue; bounded easterly upon District No. 6, Dorchester, namely, by and not including Blue Hill avenue to Canterbury street, Canterbury street to Morton, Morton street to Harvard, Harvard street, to Hyde Park Line.

District No. 6, Dorchester.—Bounded westerly upon Districts Nos. 5 and 7, West Roxbury and Roxbury, namely, from Hyde Park line by and including Harvard street to Morton, Morton street to Canterbury, Canterbury street to Blue Hill avenue, Blue Hill avenue to Brookford, Brookford street to Hartford, Hartford street to Robin Hood, Robin Hood street to Magnolia, Magnolia street to Dudley, by and not including Dudley street to N. Y., N. H. & H. R.R., Midland Division, N. Y., N. H. & H. R.R., Midland Division to South Bay, north of Massachusetts avenue; thence bounded northerly by District No. 1, South Boston, namely, by and not including Willow court and Mt. Vernon street to the N. Y., N. H. & H. R.R., Plymouth Division, thence by the line of Carson street extended to harbor.

District No. 7, Roxbury.—Bounded southerly upon District No. 5, West Roxbury, namely, from the Brookline line by and not including Chestnut street to Perkins, Perkins street to Centre, Centre street to Paul Gore, Paul Gore street to Lamartine,

Lamartine street to Boylston, Boylston street to Washington, Washington street to Seaver, Seaver street to Blue Hill avenue; bounded easterly by District No. 6, Dorchester, namely, by and not including Blue Hill avenue to Brookford street, Brookford street to Hartford, Hartford street to Robin Hood, Robin Hood street to Magnolia, Magnolia street to Dudley, by and including Dudley street to N. Y., N. H. & H. R.R., Midland Division, N. Y., N. H. & H. R.R., Midland Division, to Norfolk avenue; bounded northerly by District No. 8, South End, namely, by and not including Norfolk avenue to Hampden street, Hampden street to line of East Lenox produced by this line and not including East Lenox street to Lenox, Lenox street to Tremont, Tremont street to Camden, Camden street to N. Y., N. H., & H. R.R., Providence Division, bounded northerly and westerly by District No. 9, Back Bay, namely, from N. Y., N. H., & H. R.R., Providence Division, by and not including Gainsborough street to Huntington avenue, Huntington avenue to the Brookline line.

District No. 8, South End. — Bounded southerly by District No. 7, Roxbury, namely, from N. Y., N. H. & H. R.R., Midland Division, by and including Norfolk avenue to Hampden street, Hampden street to line of East Lenox produced, East Lenox street to Lenox, Lenox street to Tremont, Tremont street to Camden, Camden street to N. Y., N. H. & H. R.R., Providence Division, bounded westerly by District No. 9, Back Bay, namely, by N. Y., N. H. & H. R.R., Providence Division, to Church street, by and including Church street to Boylston; bounded northerly by District No. 10, West End and North End, namely, by and including Boylston street to Tremont, Tremont street to Winter, Winter street to Summer, Summer street to Devonshire, Devonshire street to Franklin, by and not including Franklin street to Oliver, Oliver street to Fort Point channel.

District No. 9, Back Bay. — Bounded southerly upon District No. 7, Roxbury, namely, from the Brookline line by and including Huntington avenue, to Gainsborough street, Gainsborough street to N. Y., N. H. & H. R.R., Providence Division, bounded easterly by District No. 8, South End, namely, by the N. Y., N. H. & H. R.R., Providence Division, to Church street, by and not including Church street to Boylston; bounded northerly by District No. 10, West End and North End, namely, by and including Boylston street to Arlington, Arlington street to Beacon, Beacon street to Otter, Otter street to Charles river; bounded westerly by District No. 4, Brighton; namely, from Charles river by and not including St. Mary's street to the Brookline line.

District No. 10, West End and North End. — Bounded southerly by Districts Nos. 9 and 8, Back Bay and South End, namely, from Charles river by and not including Otter street to Beacon, Beacon street to Arlington, Arlington street to Boylston, Boylston street to Tremont, Tremont street to Winter, Winter street to Summer, Summer street to Devonshire, Devon-

shire street to Franklin, by and including Franklin street to Oliver, Oliver street to Fort Point channel.

B. T. WHEELER,
Superintendent of Streets.

THE EIGHT-HOUR LAW.

The eight-hour law went into operation a few weeks only previous to the present financial year, and has been strictly complied with. The classes of labor included within the law, not working upon an eight-hour basis at the beginning of the year, have been so established.

The operation of the law has no doubt been a benefit to the employees of the Department, but the theory that as much work would be performed by the laborer in eight hours under the present system as was formerly done in nine has been exploded. The sum necessary to accomplish the work performed by this Department has been increased, because of the requirements of the law, by an amount estimated at \$168,000 for the year.

PROPERTY IN EAST BOSTON.

A purchase of a lot of land on Chelsea street, East Boston, was made previous to my incumbency of this office, and a stable designed to be placed upon it.

While this property was upon the water front it had no wharf facilities and no opportunity for any, without the expenditure of large sums of money, the land, except for a small filled area at its front, being an expanse of tidal flats.

This property has been abandoned by the Department, and a wharf property, having deep water frontage and docking facilities, situated much nearer the central portion of the district, has been leased for a term of years, together with a large stable thereon; and on this property the Department has constructed sheds and offices. It now has excellent facilities thereon for the Paving, Sewer, Sanitary, and Street Cleaning Divisions.

WEST END YARD AND STABLES.

An urgent need of the Department is the construction of new stables at the North Grove-street Yard. The Board of Health and the Sanitary, Sewer and Street Cleaning Divisions of this Department occupy old brick buildings, wooden sheds, leantos and cabins, scattered over the yard, none of them fit for the purposes for which they are used. Notwithstanding the fact that there are more horses kept in this yard than in any other, the stable facilities are entirely inadequate,



STREET DEPARTMENT YARD, EAST BOSTON.

LIBRARY
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and we lose much horse service annually, from the fact that the stables are ill-constructed; ill-lighted, ill-ventilated and generally unsanitary. To provide proper storage, office-room, stable room and other facilities for the use of this Department as well as the Board of Health, a suitable building for the use of all should be erected, and I believe there is no greater need in the public service in the City to-day. This has been previously recommended by me, and an item of \$160,000 was last year placed in a loan bill for this purpose, but failed of passage.

SMOKE NUISANCE.

Much difficulty is encountered in effectively suppressing the smoke nuisance in the City, because of the inadequacy of the provisions of the present law, which now allows the emission of dark smoke for five minutes continuously. An enforcement of the law does not suppress the nuisance, but it has been attempted to confine it within the limits of the law as far as possible.

EMPLOYMENT OF LABOR.

The report of the Civil Service Clerk, showing the classification of the employees of the Department and the transfers and requisitions made for the several Divisions of the Department, will be found in Appendix K.

BRIDGE DIVISION.

Expenditures.

Maintenance.
\$138,580.56.

Specials.
\$6,470.37.

The Bridge Division has made more than usually extensive repairs to the floors and decks of the bridges in its care.

Especial attention has been given to scraping and painting the iron-work underneath those bridges spanning railroad tracks, which have been long neglected, and where the gases from locomotives bring about rapid deterioration.

Financial provision was made at the request of this Department for repairs to the piers and structures of several tide-water bridges, but much of this work has been prevented, owing to the attitude of the Harbor and Land Commissioners, as they refused to issue permits in Fort Point channel, pending action on the widening of the water-ways.

Plans are in preparation for the construction of a stable and headquarters for the South District, upon the lot acquired by exchange with the N. Y., N. H. & H. Railroad Company on Broadway and Dorchester avenue, South Boston.

FERRY DIVISION.

Expenditures.

Maintenance.
\$236,999.91.

Specials.
\$104,973.55.

Receipts.

\$166,830.88.

Traffic.

12,243,877 foot passengers.
931,853 teams.

The Ferry Division has added to its service two new propeller boats, thus enabling it to keep one additional boat in commission during the year, and dispose of the old side wheeler boat "Winthrop," which has been in service since 1873.

Plans have been prepared for a new head-house and coal elevator at the South Ferry, East Boston side. The contract has been awarded, and work is under way on the coal-pocket, and the head-house will be constructed as soon as this is completed. This has been arranged without the purchase of additional land.

Extensive repairs have been made upon boats, engines, landings and buildings.

PAVING DIVISION.

Expenditures.

Maintenance.
\$782,700.72

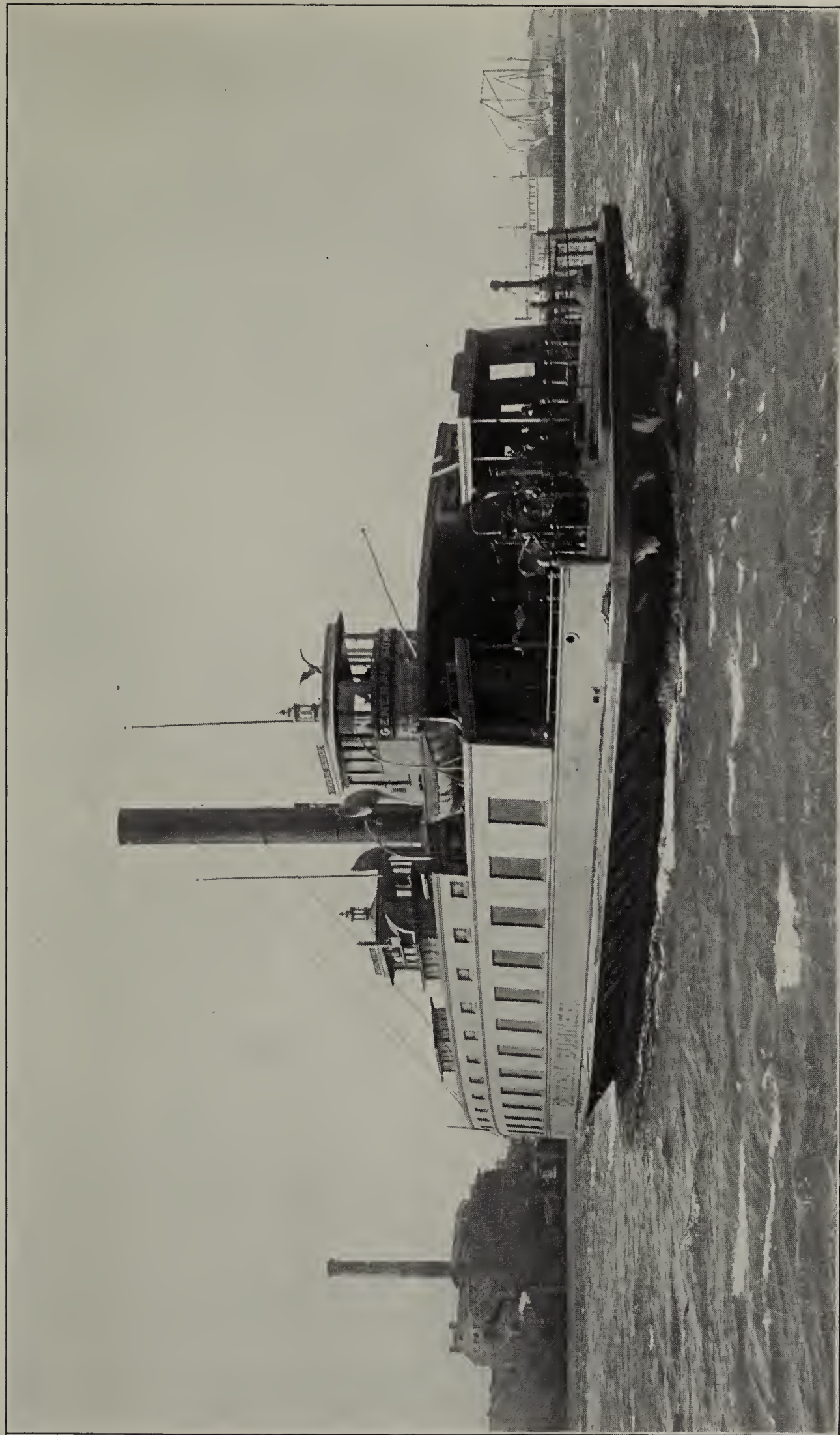
Specials.
\$1,155,631.11

The Paving Division work has been rearranged; an engineering corps has been established in the Division, analogous to that in the Sewer Division, and all street construction and repair is now directly under the control of the Division.

Money is no longer provided from a loan inside the debt limit, in the reconstruction of streets, but additional appropriation from the tax levy is made for such renewals and repairs. From the amount so provided the cost of all downtown paving and Back Bay asphaltting has been paid.

The maintenance appropriation has been largely expended in an effort to bring the macadam streets, which constitute so large a portion of our street mileage, into a more satisfactory condition, and the work of construction of new streets laid out under Chapter 323 of the Acts of 1891 and the amendments thereto has rapidly progressed. Money is at hand and plans prepared for the practical completion of all streets now so laid out and ordered constructed during the coming year.

The Division has charge of the maintenance and construction of about 492 miles of streets.



DOUBLE SCREW PROPELLER FERRY-BOAT "GENERAL SUMNER."

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SANITARY DIVISION.

Expenditures.

\$609,664.67

The Sanitary Division has increased the efficiency of its construction and repair-shops where most of the horse-shoeing and construction and repair of the vehicles and harnesses of the Department is done.

One new Barney dumping boat, costing \$17,500 has been purchased and paid for from the maintenance appropriation.

A loan has been provided for the establishment of a sanitary and street cleaning yard in Dorchester, which will enable the Division to make the collection in this district in a much more satisfactory manner than under the present contract system.

SEWER DIVISION.

Expenditures.

Maintenance.	Sewerage Works.	Stony Brook Improvement.
\$362,060.24	\$921,140.48	\$198,481.35

The Sewer Division has expended a large portion of the one million dollars, annually provided for sewer construction, upon large and important works, principally surface drains and in the construction of the necessary house and surface drainage required by law, in the "323" streets so called, under construction.

The reservoirs of Moon Island have been practically completed, the Dorchester Bay Pumping Station repairs and alterations to engines and boilers have been completed, and payments approximating \$100,000, have been made upon the new engine No. 5 for this plant now in course of construction at Philadelphia.

Stony brook conduit has been extended 1,018 running feet, and a supplementary channel constructed in Boylston avenue to Green street.

Especial attention has been given to the care and cleaning of catch-basins, large numbers of which had been long neglected.

STREET CLEANING DIVISION.

Expenditures.

\$339,747.23

The Street Cleaning Division has changed its methods, and furnished better results than formerly.

The patrol system has been increased, and an attempt has been made to keep otherwise clean streets free from paper litter, by the establishment of a system of paper teams.

The establishment of the Sanitary and Street Cleaning headquarters in Dorchester, before referred to, will enable the Division to give this district the increased service it has so long required.

STREET WATERING DIVISION.

Expenditures.

\$174,742.45

The Street Watering Division has endeavored to water all of the public streets during the year, an increase of $36\frac{1}{2}$ miles over the amount formerly watered.

This work has been assessed under authority of Chapter 366 of the Acts of 1899, but, during the coming year, in accordance with Your Honor's recommendation and the subsequent action of the City Government, the cost of street watering will be paid from the tax levy without assessment upon the abutter.

BOSTON AND CAMBRIDGE BRIDGES.

Expenditures.

\$17,353.27

Upon the Cambridge Commissioner, Mr. William J. Marvin, the responsibility for the Boston and Cambridge bridges has largely fallen, and to him should be accorded the credit for the excellent and economical manner in which they have been maintained.

SUMMARY OF WORK DONE.

BRIDGE DIVISION.

Overhauled and thoroughly repaired the following bridges, viz.:

Allston, Blakemore street, Chelsea (north), Dover street, Massachusetts avenue (over the B. & A. R.R.), Mattapan, Swett street (east of the N. Y., N. H. & H. R.R.), Warren and Winthrop.

Scraped and painted ironwork on the following, viz.:

Albany street, Athens street, Brookline avenue, Dartmouth street, Gold street, and Neponset.

Rebuilt sidewalks on Beacon street (over waterway), Dartmouth street, Federal street, West Fourth street, Milton and Malden bridges.

Repaved roadway on Congress-street bridge.

Built two shelter houses on Summer-street bridge.

FERRY DIVISION.

One propeller ferry-boat, "General Sumner," was built and put into commission during the year. Six ferry-boats have been running on full time during the entire year.

The engines of the ferry-boats "Governor Russell," "Noddle Island," and "Revere" have been thoroughly overhauled, and are now in good working order.

The canopies, gates, and drops on both sides of the North Ferry and the head-house, on the Boston side, have been painted, and the piers at three of the landings have been repaired, and are now in good condition.

The North Ferry head-house, Boston side, has been wired, and lighted with incandescent lights.

PAVING DIVISION.

Granite block paving, laid as follows :

On concrete base, with grout joints	22,996	square yards
" " " " pitch joints	12,288	" "
" " " " gravel joints	256	" "
On gravel base, with grout joints	453	" "
" " " " pitch joints	1,079	" "
" " " " gravel joints	4,747	" "
Granite block paving relaid	222,784	" "
Gutter paving laid	14,986	" "
Wooden block paving laid on concrete base (gravel joints)	1,367	" "
Edgestones, set or reset	327,659	linear feet

Sidewalks built as follows :

Artificial stone	243,632	square feet
Brick, laid or relaid	163,806	square yards
Coal tar concrete	2,222	" "
Crushed stone	12,426	" "
Flagging crosswalks laid	4,095	" "
Asphalt pavement, laid and relaid	30,670	" "
Macadam surface (new)	46,539	" "
Telford base (new)	1,989	" "
Macadam resurfacing	551,869	" "

Work has progressed on forty-six (46) streets and two (2) public alleys laid out and ordered constructed under Chapter 323 of the Acts of 1891, and amendments, and thirty-two (32) streets, and two (2) public alleys have been completed.

SANITARY DIVISION.

Collected and removed three hundred forty-four thousand, six hundred and eight-two (344,682) loads of house dirt and ashes, eighteen thousand, four hundred and sixty (18,460) loads of waste and rubbish and sixty-two thousand, nine hundred and seventy-five (62,975) loads of house offal.

Purchased one (1) new Barney dumping boat and equipped the repair-shops with new machinery and electric power.

SEWER DIVISION.

Built seventeen and nine-tenths (17.9) miles of sewers, and 377 catch-basins, flushed one hundred and ninety-nine (199) miles of sewers, removed eighteen hundred and sixty-eight (1,868) cubic yards of deposit from sewers, and thirteen thousand two hundred and forty-two (13,242) cubic yards from the pumping station; cleaned eleven thousand one hundred and forty (11,140) catch-basins removing thirty thousand seven hundred and seventy-three (30,773) cubic yards of deposit.

STREET-CLEANING DIVISION.

Cleaned seventeen thousand five hundred and sixty-one (17,561) miles of paved streets and gutters, removed two hundred forty-four thousand six hundred and ninety-three (244,693) loads of street sweepings, etc., and emptied fifteen thousand seven hundred and eighty-two (15,782) public waste barrels.

STREET-WATERING DIVISION.

Watered four hundred and fifty (450) miles of streets.

Financial Statement of the Street Department Appropriation.

February 1, 1900, to January 31, 1901.

Maintenance.

APPROPRIATION.	Appropriations and Transfers during 1900.	Revenue.	Total Credits.	Expenditures for the twelve months ending January 31, 1901.	Balances, January 31, 1901.
Street Department:					
Central Office.....	1 \$20,000 00	.....	\$20,000 00	\$19,994 66	\$5 34
Bridge Division	2 159,014 47	\$205 45	159,219 92	138,580 56	20,639 36
Boston and Cambridge Bridges.....	3 18,500 00	.....	18,500 00	17,353 27	1,146 73
Ferry Division.....	4 237,000 00	.....	237,000 00	236,999 91	 09
Paving Division.....	5 780,000 00	.....	782,700 72	782,700 72	
Sanitary Division.....	6 604,238 30	2,700 72	609,664 67	609,664 67	
Sewer Division.....	7 350,000 00	5,426 37	362,118 85	362,060 24	58 61
Street-Cleaning Division.....	8 339,747 23	12,118 85	339,747 23	339,747 23	
Street Watering Division.....	9 175,000 00	.....	175,000 00	174,742 45	257 55
Totals.....	\$2,683,500 00	\$20,451 39	\$2,703,951 39	\$2,681,843 71	10 \$22,107 68
1 Appropriation, 1900-1901.....	\$20,000 00			7 Appropriation, 1900-1901, \$350,000 00	
2 Appropriation, 1900-1901.....	\$173,000 00		\$18,500 00	Work done for Corporations.....	12,118 85
Repairing for corporations, 205 45	\$173,205 45		\$237,000 00		\$362,118 85
Transferred to Street-Cleaning Division, \$9,747 23				8 Appropriation, 1900-1901, \$330,000 00	
Transferred to Sanitary Division.....	4,238 30			Transferred from Bridge Division.....	9,747 23
13,985 53			\$782,700 72		\$339,747 23
	\$159,219 92			9 Appropriation, 1900-1901.....	\$175,000 00
			\$609,664 67	10 Transferred to City Treasury.	

Comparative Table showing Cost of Maintenance of the Street Department since Organization.

DIVISION.	1891-92. (13 months.)	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
Central Office	¹ \$16,050 00	\$18,793 60	\$20,805 96	\$20,884 29	\$18,315 79	\$18,781 85	\$17,789 95	\$19,186 24	\$18,799 41	\$19,994 66
Bridge... ..	123,010 63	128,954 37	133,159 24	130,137 21	119,716 00	119,963 55	126,529 32	129 253 03	120,408 72	138,580 56
Boston and Cam- bridge Bridges...	11,866 42	11,079 76	11,493 16	11,986 85	12,537 33	13,835 54	14,403 92	13,569 89	15,998 18	17,353 27
Ferry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paving	770,525 54	855,270 79	593,738 19	637,226 91	599,090 34	559,934 39	573,963 14	213,055 79	211,822 87	236,999 91
Removal of Snow	102,410 86	60,190 20	151,943 33	78,381 71	84,809 08	68,741 07	116,224 20	172,963 48	154,625 18	29,138 38
Sanitary.....	² 509,342 24	469,370 74	481,300 63	467,459 02	432,778 52	477,241 54	492,670 56	508,152 88	567,107 81	609,664 67
Sewer	446,222 69	560,608 19	373,517 38	304,133 40	230,596 07	276,615 25	295,522 25	337,376 27	347,133 64	362,060 24
Street Cleaning	³ 215,929 33	288,320 42	308,707 30	301,477 44	305,998 50	310,266 39	309,993 38	316,052 73	322,951 15	339,747 23
Street Watering.....	104,263 62	94,507 80	99,430 16	87,169 08	76,424 70	71,211 81	578,736 72	138,728 57	174,625 97	174,742 45
Totals	\$2,299,621 33	\$2,487,095 87	\$2,174,095 35	\$2,038,855 91	⁴ \$2,140,177 63	⁴ \$2,134,944 49	⁴ \$2,245,816 68	⁴ \$2,401,630 60	⁴ \$2,638,905 61	⁴ \$2,681,843 71

¹ Nine months only.
² Includes street cleaning for four months to May 1, 1891.
³ Nine months only, but includes expenditure for Street Police, May 1 to July 10, 1891 — \$464.41.
⁴ For comparison, deduct Ferry Division, not shown before 1895-6.
⁵ Not including water bills of \$76,930.40 not previously paid by Street Watering Division.

Bridge Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balances on hand Jan. 31, 1901.
Congress-street bridge, reconstruction,	\$3,699 25	\$2,324 37	See Note (1)
“ “ “ repairs.....	5,000 00	.....	\$5,000 00
Dover-street bridge, tearing out old work	2,000 00	84 00	1,916 00
Harvard-street bridge, reconstruction,	2,045 76	2 00	See Note (2)
Mt. Washington avenue bridge, repairs,	5,000 00	.....	5,000 00
New Charlestown bridge, public landing	1,000 00	.....	1,000 00
Rosseter-street steel footbridge.....	6,300 00	.....	6,300 00
Warren bridge, redecking old piers....	4,000 00	4,000 00	
Winthrop bridge	1,000 00	60 00	940 00
Totals	\$30,045 01	\$6,470 37	\$20,156 00

NOTE: ¹ Transferred to Street Improvements, Ward 7.....\$1,374 88
² “ “ “ “ “ “ 24..... 2,043 76

Ferry Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balances on hand Jan. 31, 1901.
New ferry-boats	\$13,182 60	\$8,781 81	See Note
New ferry landing (chap. 435, Acts of 1895)	148,819 61	96,191 74	\$52,627 87
Totals	\$162,002 21	\$104,973 55	\$52,627 87

NOTE. — Transferred to New Ferry Landing, chap. 435, Acts of 1895...\$4,400 79

Paving Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901	Balances on hand Jan. 31, 1901.
Abolishment of Grade Crossings	\$476 00	\$476 00	
Atlantic avenue.....	92,800 00	67,420 38	\$25,379 62
Beacon street.....	44,300 00	28,962 34	15,337 66
Boylston street	14,400 00	14,154 87	245 13
Buildings, Chelsea street.....	14,636 10	9,108 74	5,527 36
Charlestown bridge.....	3,806 74	3,806 74	
Commercial street, Fleet street to Clinton street.....	30,300 00	92 38	30,207 62
Carried forward.....	\$200,718 84	\$124,021 45	\$76,697 39

Paving Division Specials. — Concluded.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balances on hand Jan. 31, 1901.
<i>Brought forward</i>	\$200,718 84	\$124,021 45	\$76,697 39
Commercial street, Prince street, across Eastern avenue.....	64,600 00	28,776 20	35,823 80
Charles street.....	892 88	318 80	See Note (1)
Commonwealth avenue, construction.	4,105 54	4,105 54	
Congress street.....	5,800 25	273 72	See Note (2)
Devonshire street.....	6,500 00	6,500 00	
Freeport street.....	5,000 00	4,223 72	776 28
Harrison avenue.....	2,600 00	12 16	2,587 84
Malden bridge.....	1,881 65	1,881 65	
Mead street.....	1,780 96	.....	See Note (3)
Neponset avenue.....	25,500 00	371 99	25,128 01
Oliver street.....	23,200 00	23,200 00	
Retaining wall, Marcella and Centre streets.....	2,492 40	2,492 40	
Summer street.....	20,616 58	17,851 16	2,765 42
Talbot avenue.....	12,214 89	1,093 37	See Note (4)
Temple place.....	6,800 00	5,222 83	1,577 17
Temple street, tunnel.....	15,000 00	.....	15,000 00
Tremont street.....	70,000 00	51,346 11	18,653 89
Totals	\$469,703 99	\$271,691 10	\$179,009 80

Note 1. Transferred to Street Improvements, Ward 8.....	\$574 08
" 2. " " " " " 7.....	5,526 53
" 3. " " " " " 4.....	1,780 96
" 4. " " " " " 20.....	6,121 52
" 4. " " Freeport street, Retaining Wall.....	5,000 00
(5) Total Transfers.....	\$19,003 09

Street Improvements.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balances on hand Jan. 31, 1901.
Street Improvements, Ward 1.....	\$25,000 00	\$21,005 55	\$3,994 45
" " " 2.....	25,000 00	8,784 15	16,215 85
" " " 3.....	25,000 00	6,120 40	18,879 60
" " " 4.....	26,780 96	3,262 61	23,518 35
" " " 5.....	25,000 00	9,039 05	15,960 95
" " " 6.....	25,000 00	10,518 12	14,481 88
" " " 7.....	31,901 41	13,193 21	18,708 20
" " " 8.....	25,574 08	6,951 78	18,622 30
" " " 9.....	25,000 00	14,352 85	10,647 15
" " " 10.....	25,000 00	25,000 00	
" " " 11.....	25,000 00	25,000 00	
" " " 12.....	25,000 00	25,000 00	
" " " 13.....	25,000 00	6,598 26	18,401 74
" " " 14.....	25,000 00	22,484 19	2,515 81
" " " 15.....	25,000 00	16,530 48	8,469 52
" " " 16.....	25,000 00	25,000 00	
" " " 17.....	25,000 00	25,000 00	
" " " 18.....	25,000 00	25,000 00	
" " " 19.....	25,000 00	25,000 00	
" " " 20.....	31,121 52	28,425 03	2,696 49
" " " 21.....	25,000 00	25,000 00	
" " " 22.....	25,000 00	18,777 22	6,222 78
" " " 23.....	25,000 00	25,000 00	
" " " 24.....	27,043 76	18,341 63	8,702 13
" " " 25.....	25,000 00	25,000 00	
Totals	\$642,421 73	\$454,384 53	\$188,037 20

Sewer Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances and Transfers.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balance on hand Jan. 31, 1901.
Sewerage Works.....	\$957,533 17	\$921,140 48	\$36,392 69
Stony Brook Improvement, Chapter 397, Acts of 1899	198,481 35	198,481 35	
Totals.....	\$1,156,014 52	\$1,119,621 83	\$36,392 69

Sanitary and Street-Cleaning Divisions Special.

OBJECT OF APPROPRIATION.	Appropriation, Balance and Transfer.	Expended from Feb. 1, 1900, to Jan. 31, 1901.	Balances on hand Jan. 31, 1901.
Land and Buildings, Sanitary and Street Cleaning Divisions, Dorchester	\$75,000 00	.....	\$75,000 00
Totals.....	\$75,000 00	.....	\$75,000 00

Laying-Out and Construction of Highways.*Expenditures.*

Street construction, general	\$83,419 21
“ “ Charlestown street	1,078 10
Total	<u>\$84,497 31</u>

Brighton.

Street construction	<u>\$11,800 23</u>
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Dorchester.

Street construction	<u>\$112,872 71</u>
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East Boston.

Street construction	<u>\$62,934 32</u>
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Roxbury and West Roxbury.

Street construction	<u>\$70,337 07</u>
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Blue Hill and other Avenues.*Expenditures, Street Construction.*

Blue Hill avenue	\$2,947 64
Columbus avenue	174 00
Commonwealth avenue	55,555 62
Total	<u>\$58,677 26</u>

South Union Station.*Expenditure.*

Street construction	<u>\$28,556 98</u>
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**Recapitulation of Expenditures for the Twelve Months Ending
January 31, 1901.**

OBJECT OF APPROPRIATIONS.	Current Expenses.	Special Appropriations.	Totals.
Street Department:			
Central Office	\$19,994 66	.....	\$19,994 66
Bridge Division.....	138,580 56	\$6,470 37	145,050 93
Boston and Cambridge Bridges.....	17,353 27	.....	17,353 27
Ferry Division.....	236,999 91	104,973 55	341,973 46
Paving Division.....	782,700 72	271,691 10	1,054,391 82
Sanitary Division.....	609,664 67	.....	609,664 67
Sewer Division.....	362,060 24	1,119,621 83	1,481,682 07
Street Cleaning Division.....	339,747 23	.....	339,747 23
Street Watering Division.....	174,742 45	.....	174,742 45
Street Improvements.....	.....	454,384 53	454,384 53
Laying-Out and Construction of Highways.....	.....	84,497 31	84,497 31
Laying-Out and Construction of Highways (Brighton).....	.....	11,800 23	11,800 23
Laying-Out and Construction of Highways (Dorchester).....	.....	112,872 71	112,872 71
Laying-Out and Construction of Highways (East Boston).....	.....	62,934 32	62,934 32
Laying-Out and Construction of Highways (Roxbury and West Roxbury).....	.....	70,337 07	70,337 07
Blue Hill and other Avenues.....	.....	58,677 26	58,677 26
South Union Station.....	.....	28,556 98	28,556 98
Totals.....	\$2,681,843 71	\$2,386,817 26	\$5,068,660 97

**List of Contracts from February 1, 1900, to January 31, 1901,
made by the Street Department.**

Paving Blocks.

CONTRACT.	Awarded to	Dated	Price per M. delivered on wharves.
Large paving-blocks, 500,000....	Rockport Granite Co...	Feb. 28, 1900....	\$59 60
Philadelphia paving-blocks, 500,000.....	Rockport Granite Co...	Feb. 28, 1900....	56 90

Bank Gravel and Sand.

DISTRICT.	Awarded to	Dated	PRICE, DOUBLE LOAD OF 40 CUBIC FEET.	
			Gravel.	Sand.
South Boston.....	Old Colony Sand and Brick Co.....	Feb. 21, 1900....	\$1 50	\$1 36
East Boston.....	Old Colony Sand and Brick Co.....	Feb. 21, 1900....	1 75	1 75
Charlestown	P. O'Riorden.....	Feb. 21, 1900....	1 40	1 10
Brighton.....	John O'Brien and Son.....	Feb. 21, 1900....	1 43	1 58
West Roxbury.....	John A. Whitte- more's Sons.....	Feb. 21, 1900....	1 10	1 00
Dorchester.....	Old Colony Sand and Brick Co.....	Feb. 21, 1900....	1 45	1 50
Roxbury.....	Old Colony Sand and Brick Co.....	Feb. 21, 1900....	1 35	1 45
City Proper.....	Charles J. Jacobs..	Feb. 21, 1900....	1 35	1 35
Districts 8 and 9.....				
City Proper.....	P. O'Riorden.....	Feb. 21, 1900....	1 30	1 10
District 10.....				

NOTE. — Single loads to cost one-half of the foregoing prices.

Crosswalk Flagging.

CONTRACT.	Awarded to	Dated	PRICE PER SQUARE FOOT.	
			On Wharves	On Streets
Granite.....	S. & J. R. Lombard....	Feb. 28, 1900....	\$0 29½	\$0 31½
North River	J. J. Cuddihy	Feb. 28, 1900....	28½	31½

Spruce Lumber.

DISTRICT.	Awarded to	Dated	Price per M. ft. B. M. rough.
South Boston	George L. Pearson	Feb. 19, 1900....	\$18 00
East Boston.....	George L. Pearson	Feb. 19, 1900....	18 00
Charlestown	George L. Pearson	Feb. 19, 1900....	17 50
Brighton	George L. Pearson	Feb. 19, 1900....	18 50
West Roxbury.....	George L. Pearson	Feb. 19, 1900....	19 00
Dorchester	George L. Pearson	Feb. 19, 1900....	18 50
Roxbury	George L. Pearson	Feb. 19, 1900....	18 50
City Proper.....	George L. Pearson	Feb. 19, 1900....	17 50

NOTE. — For each 1,000 feet of planed lumber the sum of ten (10) % additional to above prices.

Beach Gravel.

DISTRICT.	Awarded to	Dated	Price per ton, delivered on wharves.
City wharves.....	James F. McIntosh....	Feb. 21, 1900....	\$0 59

Iron Castings.

CONTRACT.	Awarded to	Dated	Price per 100 lbs.
Iron castings	The Sessions Foundry Company	Feb. 8, 1900.....	\$1 55

Coal.

CONTRACT.	Awarded to	Dated	Price per ton, 2,240 lbs.
2,000 tons, Ferry Wharves	John Morrison.....	March 8, 1900...	\$3 50
1,500 tons, Pumping Station, Dorchester	John Morrison.....	March 15, 1900..	3 80
1,500 tons, Ferry Wharves	Garfield and Proctor Coal Co	May 11, 1900....	3 45
1,200 tons, Pumping Station, Dorchester	John Morrison.....	May 16, 1900....	3 30
7,000 tons, Ferry Wharves.....	John Morrison.....	July 19, 1900....	3 35
1,500 tons, Pumping Station Dorchester	Garfield and Proctor Coal Co.....	July 30, 1900....	3 33
1,000 tons, Pumping Station, Dorchester	John Morrison.....	Dec. 22, 1900....	3 50
200 tons, Anthracite, Pumping Station, Lyons st... ..	Marston Coal Co...	Dec. 28, 1900....	5 99
1,000 tons, Pumping Station, Dorchester	Garfield and Proctor Coal Co.....	Dec. 29, 1900....	3 45

Leasing Ledge Lots.

CONTRACT.	Awarded to	Dated	Price per ton for stone removed.
Lease of ledge on Ifley and Montebello Roads	W. A. Mosman	April 2, 1900..	\$0 12½
Lease of ledge on Centre st., between Allandale and Walter sts.....	Joseph H. Rowe....	April 20, 1900.	0 18
Lease of ledge on Kenney st., near Day st	James W. Kenney.	June 9, 1900 ..	0 17
Lease of ledge on Ifley and Montebello Roads and Washington st	W. A. Mosman.....	Nov. 17, 1900..	0 12½

Quarrying and Cutting Stone, etc.

CONTRACT.	Awarded to	Dated	Price.
Quarrying stone from ledge on Centre st., between Allendale and Walter sts.....	Edward V. Allen	May 14, 1900.....	\$0.80 per ton.
Excavating, breaking and loading stone from Barry st.	F. E. McCarthy Company.....	June 6, 1900	1.80 per cubic yard.
Quarrying and cutting stone and feeding crusher from ledge on Illey and Montebello roads.....	Edward V. Allen	August 18, 1900.....	0.93 per ton.

Lease of Land, etc.

CONTRACT.	Lessor.	Dated	Terms.
Lease of stable, sheds, etc., at Old Harbor wharf, on the easterly corner of Vale and Burnham sts.	Charles T. Gallagher, Trustee ...	April 20, 1900.....	\$850 per year for 5 years.
Lease of easterly half stable, sheds, etc., at Old Harbor wharf, corner of Vale and Ninth sts.....	Charles T. Gallagher, Trustee...	April 20, 1900.....	850 per year for 5 years.
Lease of land and flats at Jeffries Point, East Boston, for maintaining a public landing	G. C. Fitzpatrick.....	May 1, 1900.....	300 per year.
Lease of a portion of Glendon wharf and stable on said wharf	Blodgett & Whidden	May 14, 1900.....	3,000 per year and all taxes for 10 yrs.
Lease of a portion of Packard's wharf.....	Widow and Heirs of Henry C. Snow.....	June 20, 1900	4,000 per year for 10 years.
Lease of Slate wharf, Commercial st.	Theodore W. Brett.....	August 10, 1900.....	5,500 per year and water rates.
Lease of land near Bartlett ave.	N. Y., N. H. & H. R. R. Co.....	January 7, 1901.....	5 per year.

Collecting and Removing Ashes.

CONTRACT.	Awarded to	Dated	Price.
Collecting and removing ashes, etc., in the South Dorchester District.....	John McShane.....	March 8, 1900.....	\$4,150 per year for two years.
Collecting and removing ashes, etc., in the North Dorchester District	John McShane.....	March 30, 1900.....	6,000 per year for two years.

Collecting and Removing House Offal.

CONTRACT.	Awarded to	Dated	Price.
Collecting and removing house offal, etc., East Boston District.....	T. Mulligan	February 20, 1900	\$8,000 per year for one year.
Collecting and removing house offal, etc., Dorchester District.....	David M. Biggs.....	April 28, 1900.....	6,650 per year for two years.

Furnishing Filling.

CONTRACT.	Awarded to	Dated.	Price.
Furnishing filling Swett st.....	N.Y., N.H. & H. R.R.....	July 5, 1900.....	Not to exceed \$0.05 per cubic yard, and reasonable cost for use of equipment.
Furnishing filling Bennington st.....	W. O. Seaward.....	September 15, 1900.....	(A) \$0.35; (B) \$0.70.
Furnishing filling Bennington st.....	Thomas Eccles.....	September 15, 1900.....	(A) .35; (B) .70.
Furnishing filling Bennington st.....	Eugene H. Bailey.....	September 15, 1900.....	(A) .35; (B) .70.

EXPLANATION OF LETTERS.

(A) Price per single load of twenty (20) cubic feet. (B) Price per double load of forty (40) cubic feet.

Ferry-boat No. 4.

CONTRACT.	Awarded to	Dated.	Price.
Four pumps for double-screw Ferry-boat No. 4.....	The Knowles Steam Pump W'ks.	February 20, 1900... ..	\$1,570 00
Electric Plant for double-screw Ferry-boat No. 4.....	Hawks Electric Company	March 16, 1900.....	3,490 00
Non-heat conducting covering for double-screw Ferry-boat No. 4.....	C. W. Trainer Mfg. Company ...	July 13, 1900.....	595 00

Paving and Regulating.

CONTRACT.	Awarded to	Dated.	Cost of contract as per estimated quantities, not including materials furnished by the City.
Devonshire st., State st., across Water st.....	J. B. O'Rourke.	August 25, 1900.....	\$2,033 05
Atlantic ave., Oliver st., across India sq.....	Jones & Meehan	September 17, 1900.....	15,006 00
Atlantic ave., India sq., across Clinton st.....	D. Kiley.....	September 17, 1900.....	16,055 20
Atlantic ave., Clinton st., to Eastern ave.....	D. F. O'Connell.....	September 17, 1900.....	13,956 70
Commercial st., Fleet st., across Clinton st.....	John Turner & Co.....	September 17, 1900	12,738 60
Commercial st., Eastern ave., across Hanover st.....	H. Gore & Co.....	September 17, 1900	15,808 20
Commercial st., Hanover st., across Hull st.....	A. A. Libby & Co.....	September 17, 1900	21,269 50
Oliver st., Atlantic ave., to Milk st.....	James Doherty	September 17, 1900.....	12,162 90
Summer st., Washington to Federal sts.....	J. B. O'Rourke.....	September 24, 1900.....	11,695 10
Tremont st., westerly half, Temple pl. to Hamilton pl. and intersection of Beacon, School, and Tremont sts.....	United States Wood Preserving Company.....	September 25, 1900	3,277 50
Neponset ave., easterly side, between Adams and Minot sts.	D. F. O'Connell.....	October 4, 1900	4,973 50
Province ct., from Province st. about 165 feet easterly.....	Jones & Meehan.....	October 11, 1900.....	594 60
Public alley, No. 432, between Commonwealth ave. and Newbury st., from Fairfield to Gloucester sts.....	E. S. Fogerty.....	October 24, 1900.....	849 20
Public alley, No. 439, between Newbury and Boylston sts., from Clarendon to Dartmouth sts.....	E. S. Fogerty	November 12, 1900.....	1,040 00

1 Artificial Stone Sidewalks.

CONTRACTOR.	Dated	Price per square foot.	CONTRACTOR.	Dated.	Price per square foot.
Barnes-Ruffin Company	April 23, 1900..	6 cts.	P. J. Lyons.....	May 7, 1900....	6 cts.
Simpson Bros. Corporation	April 23, 1900..	6 cts.	Warren Bros. Company	May 14, 1900...	6 cts.
W. A. Murtfeldt Company	April 23, 1900..	6 cts.	H. P. Nawn.....	May 31, 1900...	6 cts.
Thomas J. Hind	April 23, 1900..	6 cts.	W. L. Cahalan.....	June 6, 1900...	6 cts.
Taylor, Carr & Andrews	April 23, 1900..	6 cts.			

1 These walks are guaranteed by a surety company bond for ten (10) years from date of completion and were laid on various public streets where the contractor had agreements with the abutters.

Furnishing and Laying Artificial Stone Sidewalks.

CONTRACT.	Awarded to	Dated	Price per square foot.
Oakview terrace, from Centre st. to about 860 feet south-easterly.....	P. J. Lyons.....	May 14, 1900.....	\$0.17 ³ / ₈
Florida st., between Lonsdale and Templeton sts.....	Warren Bros. Company.....	June 8, 1900.....	0.15 ² / ₁₆
Warner st., between Harvard and Park sts.....	Warren Bros. Company.....	June 8, 1900.....	0.15 ² / ₁₆
Esmond st., between Blue Hill ave. and Harvard st.....	Warren Bros. Company.....	June 8, 1900.....	0.15 ² / ₁₆
Stratford st., between Anawam and Clement aves.....	Wm. L. Cahalan.....	June 21, 1900.....	0.15 ³ / ₄
Aberdeen st., between Beacon st. and the B & A. R.R.....	Taylor, Carr & Andrews.....	August 28, 1900.....	0.15
Lauriat ave., between Ballou ave. and Norfolk st.....	W. A. Murtfeldt Company.....	September 21, 1900.....	0.18
Montague st., between Ashmont and Roslin sts.....	Simpson Bros. Corporation.....	October 5, 1900.....	0.18 ³ / ₄
Nottingham st., between Bullard st. and Bowdoin ave.....	W. A. Murtfeldt Company.....	October 5, 1900.....	0.19 ¹ / ₂
Van Winkle st., between Dorchester ave. and the Shawmut Branch Railroad.....	Simpson Bros. Corporation.....	October 5, 1900.....	0.19 ¹ / ₄
Tremont st., easterly side, between Mason and School st....	Simpson Bros. Corporation.....	October 25, 1900	0.19

Paving with Trinidad Asphalt.

CONTRACT.	Awarded to	Dated	Price.
Congress sq., from about 85 feet south of State st. for a distance of about 140 feet southerly, thence 60 feet easterly to Congress st.....	The Barber Asphalt Paving Company	May 23, 1900.....	(B) \$2 per square yard; (C) \$5 per cubic yard.
Temple pl., between Washington and Tremont sts.....	United States Paving Company ..	August 24, 1900.....	(E) \$3.05 per square yard.
Tremont st., between Scollay sq. and Boylston st.....	The Barber Asphalt Paving Company	September 8, 1900	(B) \$2.50 per square yard; (C) \$4.50 per cubic yard.
Harrison avenue, between Davis and Asylum sts.....	The Barber Asphalt Paving Company	September 8, 1900	(A) \$3.25 per square yard; (B) \$2.50 per square yard; (D) \$5 per cubic yard.
Trinity pl., between Stuart and Stanhope sts.....	The Barber Asphalt Paving Company	September 29, 1900	(A) \$3.25 per square yard; (B) \$2.50 per square yard.
Mason st., from Tremont st., about 85 feet easterly.....	The Barber Asphalt Paving Company	October 10, 1900	(A) \$3.25 per square yard; (B) \$2.50 per square yard.

EXPLANATION OF LETTERS.

(A) Furnishing and laying a 6-in. American cement concrete base, an 1½-in. wearing surface, and an 1½-in. binder, and guaranteeing the same for a period of ten (10) years after completion. (B) Furnishing and laying a 2-in. wearing surface and an 1½-in. binder on existing concrete base, and guaranteeing the same for a period of ten (10) years after completion. (C) Furnishing and laying a 6-in. American cement concrete base. (D) Furnishing and laying a 6-in. American cement concrete base between the rails and tracks of the Boston Elevated Railway Company. (E) Furnishing and laying a 6-in. American cement concrete base and 1½-in. wearing surface, and an 1½-in. binder for Trinidad land asphalt, and guaranteeing the same for a period of ten (10) years after completion.

Paving with Sicilian Rock Asphalt.

CONTRACT.	Awarded to	Dated	Price.
Beacon st., between Arlington and Dartmouth sts.....	Boston Asphalt Company.....	September 1, 1900.....	(A) \$3.25 per square yard. (B) \$2.50 per square yard.
Boylston st., from Easterly side of Arlington st., to Berkeley st.....	Boston Asphalt Company.....	September 1, 1900.....	(A) \$3.25 per square yard. (B) \$2.50 per square yard. (C) \$5 per cubic yard.
Meridian st., between Trenton and Eutaw sts.....	Jones & Meehan.....	October 18, 1900.....	(A) \$3.25 per square yard. (D) \$1.80 per square yard.
Prince st., from Salem st., to about 210 feet toward Hanover st.....	Jones & Meehan.....	November 2, 1900.....	(A) \$3.25 per square yard. (E) \$0.37 per square yard. (F) \$0.25 per linear foot. (G) \$0.30 per square yard. (H) \$0.40 per square yard.

EXPLANATION OF LETTERS.

- (A) Furnishing and laying a 6-in. American cement concrete base, and a 2-in. wearing surface and guaranteeing same for ten (10) years after completion.
(B) Furnishing and laying a 2-in. wearing surface on existing concrete base, and guaranteeing the same for period of ten (10) years after completion.
(C) Furnishing and laying a 6-in. American cement concrete base below and between the rails of the Boston Elevated Railway Company. (D) Laying granite blocks with pitch joints on a concrete base. (E) Roadway excavation including barring up the blocks. (F) Edgestones reset including the bed.
(G) Laying brick sidewalks including the bed. (H) Granite block paving or crosswalk flagging relaid, including the bed.

Sewer Construction under Chapter 426 of the Acts of 1897 and Amendments.

CONTRACT.	Awarded to	Dated	Cost of contract, as per estimated quantities, not including materials furnished by the City.
Drains in Stratford ave., West Roxbury.....	John Rogers.....	April 6, 1900.....	\$1,054 50
Conduit and pipe drain in Tenean creek, north branch, between Josephine and Leroy sts.....	Booth & Co.....	April 11, 1900.....	1,004 26
Brick conduit, house drains and catch-basin drains in Van Winkle st.....	D. F. O'Connell.....	April 17, 1900.....	4,569 40
Sewers and drains in Aberdeen st., Roxbury.....	Booth & Co.....	April 30, 1900.....	1,665 50
Sewers, catch-basins, drop inlets and drains in Shepton st., between Dorchester ave. and Florida st.....	F. E. McCarthy Company....	May 1, 1900.....	1,370 10
Sewers and drains in Gardner st., West Roxbury.....	T. J. Young & Co.....	May 2, 1900.....	10,457 50
Sewer in Cottage park, Dorchester.....	D. F. O'Connell.....	May 7, 1900.....	1,145 00
Catch-basins and pipe drains in Humboldt ave., Homestead, Hutchins and Ruthven sts.....	D. F. O'Connell.....	May 11, 1900.....	316 00
Catch-basins and pipe drains in Cardington st., Roxbury...	D. F. O'Connell.....	May 11, 1900.....	322 00
Catch-basins and pipe drains in Kingsbury and Bainbridge sts., Roxbury.....	D. F. O'Connell.....	May 11, 1900.....	323 00
Sewers and drains in LaGrange st., West Roxbury.....	Gow & Foss.....	May 14, 1900.....	2,970 05
Brick conduit and appurtenances for the Oakland Garden fork of the Canterbury branch of Stony brook in private land, between Franklin Field and Bernard st.....	D. F. O'Connell.....	May 21, 1900.....	13,257 50
Sewers and drains in Belgrade ave. and Lorraine st., West Roxbury.....	F. E. McCarthy Company.....	May 26, 1900.....	1,834 70
Sewers and drains in Seaborn st., between Moultrie ave. and Kenwood st., Dorchester.....	Booth & Co.....	June 1, 1900.....	345 00
Stony brook conduit in Boylston ave., between Cornwall and Green sts., West Roxbury.....	Jones & Meehan.....	June 2, 1900.....	15,913 75

Sewers and drains in Massachusetts ave., Dorchester.....	D. F. O'Connell.....	June 6, 1900.....	3,783 59
Catch-basins and drains in Dunford st., Roxbury.....	D. F. O'Connell.....	June 8, 1900.....	291 00
Sewers and drains in Washington st., between Morton and Tower sts, West Roxbury.....	Gow & Foss.....	June 27, 1900.....	962 00
Sewers and drains in Selden st., between Capen st. and Milton ave., Dorchester.....	John McMorrow.....	June 28, 1900.....	2,274 50
Sewers and drains in Kenwood road and Kempton st., Roxbury.....	John H. Crane.....	July 3, 1900.....	745 75
Sewers and drains in Perkins st., West Roxbury.....	D. E. Lynch.....	July 14, 1900.....	4,401 00
Brick sewer and appurtenances in private land, formerly Blake st., between Dorchester ave. and Boston st.	Gow & Foss	July 28, 1900.....	3,199 95
Sewers and drains in Barry st., Dorchester.....	F. E. McCarthy Company.....	October 2, 1900.....	2,099 25
Brick conduit in Lyons st., from Callender st. 200 feet toward Franklin Field ditch, Dorchester.....	D. F. O'Connell.....	October 25, 1900.....	5,946 50
Sewers and drains in Westbourne and Cornell sts., West Roxbury	Gow & Foss.....	October 31, 1900.....	1,910 00
Conduit in Tenean Creek (North Branch), between Charles and Josephine sts, Dorchester.....	Gow & Foss.....	December 11, 1900.....	1,074 70
Conduit in Tenean Creek (North Branch), between Leroy and Westville sts., Dorchester.....	Gow & Foss.....	December 11, 1900.....	1,437 25
Sewers and drains in Moseley st., Dorchester	Thos. O'Leary ...	January 15, 1901.....	1,599 80
Sewers and drains in Forest Hill st., between Washington st. and Glen Road, West Roxbury.....	John McMorrow.....	January 17, 1901.....	7,657 45
Sewers and drains in Millet st., Dorchester.....	Collins & Ham.	January 23, 1901....	1,090 91
Sewers and drains in Carlow st., Roxbury.....	Gow & Foss.....	January 24, 1901.....	582 00
Sewers and drains in Leonard st., Dorchester.....	D. H. Sullivan	January 31, 1901.....	998 60

Street Construction, under Chapter 323 of the Acts of 1891, or Special Acts or Amendments thereto.
Macadam Roads.

CONTRACT.	Awarded to	Dated	Cost of contract, as per estimated quantities, not including materials furnished by the City.
Aberdeen st., between Beacon st. and Brookline branch of the B. & A. R.R.....	J. O'Brien & Son.....	February 1, 1900.....	\$1,580 40
Echo st., between Columbus ave. and Centre st.....	James Doherty.....	August 2, 1900..	426 35
Woodcliff st., from Howard ave. about 214 feet easterly....	Philip Doherty.....	August 2, 1900.....	1,122 50
Rockford st., between Dudley and Clifton sts.....	D. F. O'Connell.....	August 2, 1900.....	1,058 10
Van Winkle st., between Dorchester ave. and Shawmut branch railroad.....	Booth & Co.....	August 2, 1900.....	1,383 51
Nottingham st., between Bullard st. and Bowdoin ave.....	D. F. O'Connell.....	August 2, 1900.....	1,494 20
Fowler st., between Glenway and McLellan sts.....	Booth & Co.....	August 2, 1900.....	866 51
Homes ave., between Bowdoin and Topliff sts.....	Thomas F. Welch.....	August 2, 1900.....	2,374 00
Montague st., between Ashmont and Roslin sts.....	Collins & Ham.....	August 23, 1900.....	839 81
Seaborn st., between Centre and Kenwood sts.....	James Doherty.....	August 28, 1900.....	1,060 00
Cardington st., from Cobden st. across Fenner st.....	Philip Doherty.....	August 29, 1900.....	409 70
Dunford st., between Cobden and Fenner sts... ..	Philip Doherty.....	August 29, 1900.....	441 40
Ashley st., between Breed and Walley sts.. ..	Philip Doherty.....	September 21, 1900.....	2,096 95
Washington st., between Morton and Tower sts.....	Jones & Meehan.....	October 17, 1900.....	2,587 00
Corinth st., between Washington and Brandon sts.....	Collins & Ham.....	October 19, 1900.....	2,163 76
Cambridge st., between Brighton ave. and Washington st...	J. H. Sullivan.....	October 30, 1900.....	10,070 00
Tremont st., between Washington st. and the Newton line..	William Scollans.....	November 6, 1900.....	4,646 70
Stratford st., between Anawan and Clement aves.....	Philip Doherty.....	November 23, 1900.....	2,143 95

Pile Driving.

CONTRACT.	Awarded to	Dated.	Price.
Furnishing and driving spruce piles for sewer in Traverse st., between Haverhill and Canal sts.....	John T. Scully.....	March 29, 1900.....	From subway tracks to Canal-street sewer, \$0.13 per linear foot of pile driven; under the subway tracks, \$0.20 per linear foot of pile driven.
Furnishing and driving spruce piles for sewer in E st., from West First st. to Summer-st. Extension.....	Geo. H. Cavanagh.....	June 8, 1900	For each pile, 15 feet or less in length, \$1.95 per pile driven; for each linear foot in excess of the 15 feet the sum of \$0.07 per linear foot.
Furnishing and driving spruce piles for sewer in Gainsborough st., between St. Stephen and Hemenway sts	Geo. Hayes & Co.	September 24, 1900	\$0.20 per linear foot of pile-driven.
Furnishing and driving spruce piles in Neponset avenue, between Blackwell and Tolman streets.....	A. A. Hersey	October 25, 1900	\$0.14 per linear foot of pile-driven; for each pile sawed off the sum of \$0.10 per linear foot.

Repairing Ferry-boats.

CONTRACT.	Awarded to	Dated.	Price.
Painting ferry-boat "Noddle Island"	J. S. Richards.....	May 12, 1900.....	\$550 00
Painting ferry-boat "Revere"	William Duncan.....	May 23, 1900.....	450 00
Painting ferry-boat "D. D. Kelly"	William Duncan.....	June 23, 1900	360 00
Painting ferry-boat "General Hancock"	N. T. Gorham & Sons.....	August 13, 1900.....	340 00
Removing broken shaft, refitting new shaft, and connecting with engine on ferry-boat "D. D. Kelly" ready for use,	The Atlantic Works.....	September 20, 1900	900 00
Furnishing one iron shaft (spare) for ferry-boat.....	Boston Forge Company	November 14, 1900.....	0.06½ per lb.
Furnishing one iron shaft for ferry-boat "Revere".....	Boston Forge Company	November 27, 1900.....	0.06½ per lb.
Removing old shaft, and refitting new shaft and connecting with engine on ferry-boat "Revere" ready for use	Bertelsen & Petersen.....	December 12, 1900	847 00
Repairing steam-valves, valve-chests, pistons, etc., on ferry-boat "Governor Russell"	Bertelsen & Petersen.....	December 14, 1900.....	698 00
Removing steam-chest, renewing all joints, and replacing same perfectly steam tight on ferry-boat "Revere."	Bertelsen & Petersen.....	December 26, 1900.....	454 00

Retaining Walls, etc.

CONTRACT.	Awarded to	Dated.	Price.
Retaining wall and fence Centre street, opposite New Heath street.....	P. F. Donovan.....	July 7, 1900.....	\$4,500 00
Retaining wall along Freeport street, Dorchester.....	Collins & Ham.....	September 15, 1900.....	3,987 00
Sidewalks, walls and fences, Trinity place.....	Frank Bachelder.....	November 2, 1900.....	1,308 25

Bridge Strengthening.

CONTRACT.	Awarded to	Dated.	Price.
Sheathing roadway, Harvard bridge.....	Ross & Fowler.....	March 9, 1900.....	\$3,187 00. See note.
Building bridge to carry the N.Y., N.H. & H. R.R. Co.'s tracks over Columbia road, and doing incidental work....	N.Y., N.H. & H. R.R. Co.....	March 29, 1900.....	Actual cost to be paid by the City, and the railroad company is to forever maintain the bridge.
Furnishing and erecting fence on the Charlesgtae, west bridge, over Ipswich street.	Boston Bridge Works.....	April 6, 1900.....	\$2,625 00.
Building roadway and sidewalks, Charlesgate, west bridge, over Ipswich street.....	W. A. Murtfeldt Co.....	September 20, 1900.....	1,998 00.
Repairing Winthrop bridge.....	W. L. Miller.....	November 30, 1900.....	3,629 87.
Repairing piers and draw Dover-street bridge.....	W. J. Lawler.....	November 30, 1900.....	2,217 22.

NOTE. — One-half ($\frac{1}{2}$) to be paid by the City of Cambridge.

Ferry Piers and Coal Elevator.

CONTRACT.	Awarded to	Dated.	Price.
Repairing North pier, North Ferry, East Boston side.....	Ross & Fowler.....	March 13, 1900.....	\$826 60.
Repairing Middle pier, South Ferry, Boston side.....	Geo. Hayes & Co.....	April 9, 1900.....	643 00.
Plans, specifications, etc., new ferry head-house, South Ferry, East Boston side.....	H. H. Atwood	October 17, 1900.....	5 per cent. of total cost.
Repairing North pier, Boston side, North Ferry.....	W. J. Lawler.....	December 17, 1900.....	\$472 89.
Erecting coal elevator, South Ferry, East Boston side.....	Geo. Hayes & Co.....	January 9, 1900.....	13,500 00.

Moon Island Construction.

CONTRACT.	Awarded to	Dated.	Price.
Slope paving and grading, Moon Island.....	Seth Perkins.....	August 24, 1900.....	(A) \$0.37; (B) \$4.00; (C) \$0.60; (D) \$3.00.
Slope paving, riprap and gravel filling, Moon Island..	Julius Nelson.....	December, 29, 1900.....	(C) \$0.60; (D) \$3.00.
Building four (4) flushing gate-houses at Moon Island.....	P. McGovern.....	January 7, 1901....	\$7,300.

(A) Earth excavation per cubic yard. (C) Gravel refill per cubic yard.
(B) Rock excavation per cubic yard. (D) Slope paving per square yard.

Engines, Boilers, Motors, etc.

CONTRACT.	Awarded to	Dated.	Price.
Reheater, lagging and fittings for Sewerage Pumping Engine No. 3.....	I. P. Morris Co.....	February 20, 1900.....	\$4,575 00.
Oiling galleries for sewerage Pumping Engines Nos. 3 and 4.....	I. P. Morris Co.....	February 27, 1900.....	2,375 00.
Installing electric motor and blower and the necessary piping to connect nine (9) forges at the shops of the Sanitary and Street Cleaning Divisions.....	William Farrell & Co.....	March 16, 1900.....	2,050 00.
Finishing and erecting in place one Improved Farrell Foundry Crushing Machine for the Mosman Crusher....	Benj. F. Anthony & Son.....	May 29, 1900.....	\$2,181.15 and freight and carting.

Cleaning Catch-basins.

CONTRACT.	Awarded to	Dated.	Price.
Cleaning 297 catch-basins, in District 1, South Boston and 208 basins in District 8, City Proper.....	F. E. McCarthy Company	December 22, 1900.....	\$3 50 each.
Cleaning 307 catch-basins in District 6, Dorchester	John McMorro.....	December 22, 1900.....	5 00 each.
Cleaning 107 catch-basins in District 9, and 192 basins in District 10, City Proper.....	Charles H. Chamberlain.....	December 22, 1900.....	\$3.00 each in District 9, \$3.25 each in District 10.
Cleaning 244 catch-basins in District 7, Roxbury and part of District 8, City Proper.....	Charles Duncan.....	December 31, 1900.....	\$4 25 each.
Cleaning 123 catch-basins in District 8, City Proper	Charles Duncan.....	December 31, 1900.....	4 00 each.

Miscellaneous Agreements.

CONTRACT.	Awarded to	Dated.	Price.
Four (4) weighing machines at ferry head-houses.....	National Automatic Weighing Machine Co.....	February 1, 1900.....	\$200 paid to the City.
Refilling street sweeping machine brooms, and furnishing push and teamsters' brooms.....	J. P. Walsh.....	March 5, 1900.....	Machine, \$10 each; push, \$5.50 doz.; teamsters', \$5 doz.
Furnishing and laying brick sidewalks and grading Swett street in the vicinity of the railroad.....	Jones & Meehan.....	May 12, 1900.....	Brick sidewalks, 90 cents per square yard; grading, 30 cents per cubic yard.
Building (2) covered passageways (shelter houses) on Summer-street bridge.....	W. S. Sumner.....	May 28, 1900.....	\$770.

Miscellaneous Agreements. — Concluded.

CONTRACT.	Awarded to	Dated.	Price.
Furnishing and laying coal tar concrete sidewalks on Waldeck and Florida streets.....	Taylor, Carr & Andrews.....	May 28, 1900.....	New work, 67½ cents per square yard; resurfacing, 35 cents per square yard.....
Excavating material, removing trees and fences, breaking stone for crusher, and hauling stone to Rosseter-street crusher.....	Thomas O'Leary.....	July 12, 1900.....	\$1,550.
Installing machinery for removing the grease from east shaft, Squantum, without uncovering the shaft.....	W. J. Tavender.....	July 21, 1900.....	\$600, when appliance is satisfactory to the superintendent.....
Purchase of a Barney Dumping Boat.....	Barney Dumping Boat Co.....	September 26, 1900.....	\$17,500.
Repairing sidewalks on Warren bridge.....	Simpson Bros. Corporation.....	October 18, 1900.....	Resurfacing, 75 cents per square yard; new work, \$1.10 per square yard.
Sale of ferry-boat, "Winthrop".....	L. E. Lunt.....	October 25, 1900.....	\$1,210 paid to the City.
Removing three (3) houses and a brick stable from within the lines of Corinth street, West Roxbury....	Collins & Ham.....	November 14, 1900.....	\$1,000.
Removing bridge over the old location, N. Y., N. H. & H. R.R. Co., Providence Division, and filling and surfacing Berkeley street, between Boylston street and Columbus avenue.....	N. Y., N. H. & H. R.R. Co.....	December 27, 1900.....	City to pay 20 %, and N. Y., N. H. & H. R.R. Co., 80 %.
Furnishing and installing mechanical telegraph in the tow-boat "Cormorant".....	Chas. E. Cory & Son, and O. E. Eaton.....	December 6, 1900.....	\$158.67.

List of Streets Paved with Trinidad Asphalt, Feb. 1, 1901.

City Proper.

Name.	Location.	Length.	Area.	Year Laid.
Albany st.....	80 ft. north of Broadway, across Way st.....	105	397	1899
Albany st.....	E. Concord st. to E. Springfield st...	450	2,700	1884
Andrews st.	E. Dedham st. to E. Canton st.....	216	312	1899
Arch st.....	Franklin st. to Milk st.....	426	1,267	1883-93
Ash st.....	Bennett st. to Nassau st.....	230	427	1887
Barton ct.....	Barton st. to Brighton st.....	134	186	1894
Batterymarch st...	Milk st. to Liberty sq.....	150	466	1896
Beacon st.....	Charles st., across Arlington st.....	870	3,800	1891
Beacon st.....	Dartmouth st. to within 150 ft. of westerly line of Gloucester st.....	1,744	9,277	1892
Beacon st.....	150 ft., from westerly line of Gloucester st. to 68 ft. beyond westerly line of Gloucester st.....	218	1,183	1898
Beacon st.....	68 feet west of Gloucester st. to Massachusetts ave.....	1,019	5,391	1893
Bennett st.....	90 ft. west of Harrison ave. to 162 ft. east of Washington... ..	180	350	1887
Bond st.....	Hanson st. to Milford st.....	192	426	1895
Boylston st.....	East side of Berkeley st., across Clarendon st.....	656	3,869	1897
Brattle sq.....	Brattle st. to Elm st.....	281	670	1888
Brighton st.....	Leverett st. to Allen st.....	845	1,737	1892
Brimmer st.....	Beacon st. to Pinckney st.....	1,087	3,300	1895
Broadway.....	Albany to 105 ft. west of Albany st..	105	467	1899
Castle st.....	Castle sq., easterly.....	.....	427	1899
Cazenove st.....	Columbus ave. to 45 ft. south of Columbus ave.....	45	100	1899
Central st.....	Broad st. to Kilby st.....	313	869	1887
Chambers st.	Green st., across Poplar st.....	460	1,061	1894
Chambers st.....	Brighton st. to Charles st.....	272	604	1895
Chandler st.....	At Castle sq.....	.....	51	1899
Charles st.....	Easterly side of Fruit st., across Allen st.....	706	1,804	1899
Charter st.....	Hanover st., across Unity st.....	318	636	1894
Cherry st.....	Washington st. to Shwmut ave.....	334	594	1892
Clark st.....	Hanover st. to North st.....	319	614	1892
Columbus ave.....	Boston and Albany Railroad bridge, across Massachusetts ave.....	3,505	15,000	1884-87-88-91-99
Columbus ave.....	Massachusetts ave. to 301 ft. south of Camden st.....	903	5,418	1896
Carried forward,	.....	16,083	63,403	

List of Streets Paved with Trinidad Asphalt. — Continued.**City Proper.**

Name.	Location.	Length.	Area.	Year Laid.
<i>Brought forward,</i>	.....	16,083	63,403	
Corning st.....	Washington st. to Shawmut ave.....	338	734	1883-96
Congress sq.....	From Congress sq. to Congress st. ..	209	400	1883- 1900
Cooper st.....	N. Margin st., across Endicott st.....	194	597	1887
Cooper st.....	Endicott st. to Charlestown st.	205	604	1887-97
Court st.....	Washington st. to Court sq.....	231	642	1891
Court sq.....	Court st. to Court st.....	665	1,883	1881-94
Dartmouth st.	Buckingham st. to B. and A. Rail- road bridge.....	127	580	1899
Dartmouth st.	Boylston st. to Newbury st.....	266	2,058	1894
Davis st.....	Washington st. to Harrison ave.	323	646	1892
Devonshire st.....	Milk st. to Water st.....	262	786	1899
Doane st.....	Kilby st. to Broad st.....	312	624	1881
Edinboro' st.....	Essex st. to Beach st.....	470	924	1895
Endicott st.....	Cooper, across Thacher st.	318	1,078	1884-99
Exchange pl.....	Congress st. to Kilby st.....	244	678	1887
Ferdinand st.....	At Castle sq.	37	107	1899
Groton st.....	Washington st. to Shawmut ave.....	335	558	1892
Hanover ave.....	Hanover st. to North st.....	307	266	1892
Harrison ave.....	22 ft. south of Kneeland st. to 22 ft. north of Harvard st.	249	885	1899
Harrison ave.....	E. Newton st. to E. Springfield st....	928	2,681	1888-95
Harrison ave.....	E. Springfield st. to 90 ft. southerly, ...		130	1888
Hayward pl.....	Harrison ave. to Washington st.....	260	578	1898
Hollis st.....	Tremont st., towards Washington st.	276	521	1891
Hudson st.....	Beach st. to 90 ft. north of Curve st. (minus Kneeland st. and Harvard st. intersections)	1,407	3,938	1891
Kilby st.....	State st. to Milk st. (including Lib- erty sq.).....	640	4,059	1881-88- 98
Laconia st.....	Washington st. to Harrison ave.	330	727	1896
LaGrange st.	Tremont st., towards Washington st.	181	355	1897
Lincoln pl.	Worcester st. to Springfield at.....	217	313	1897
Malcolm st.....	Mt. Vernon st. to Chestnut st.....	261	290	1892
Mason st.....	Tremont st., 75 ft. easterly.....	75	206	1900
Massachusetts ave.,	Columbus ave. to Tremont st. (south- erly roadway).....	267	1,621	1892
Massachusetts ave.,	Tremont st. to Shawmut ave. (south- erly roadway).....	470	2,934	1892
<i>Carried forward,</i>	.....	26,487	95,806	

List of Streets Paved with Trinidad Asphalt. — *Continued.*

City Proper.

Name.	Location.	Length.	Area.	Year. Laid.
<i>Brought forward,</i>	.....	26,487	95,806	
Massachusetts ave.,	Shawmut ave. to Washington st. (southerly roadway).....	180	994	1892
Moon st.....	North sq. to Lewis st.....	182	384	1891
N. Bennett st.	Hanover st. to Salem st.	552	920	1883
N. Margin st.....	Stillman st. to Thacher st.....	515	1,154	1895
Oxford st.....	Beach st. to Essex st.....	430	735	1895
Parkman st.....	N. Anderson st. across Blossom st..	241	550	1898
Parmenter st.....	Hanover st. to Salem st.....	279	764	1893
Pinckney st.....	Charles st. across Brimmer st.	271	723	1895
Pine st.....	Washington st. to Harrison ave.	419	597	1896
Poplar st.....	Chambers st. to Charles st.....	1,188	2,442	1887-92
Public alley 301.....	Pinckney st. to River st.....	270	400	1897
Public alley 401.....	Between Huntington ave. and St. Botolph st., from Irvington st. to Garrison st.....	350	362	1899
Public alley 402.....	Between Huntington ave. and St. Botolph st., from Garrison st. to W. Newton st.....	358	374	1899
Public alley 403.....	Between Huntington ave. and St. Botolph st., from W. Newton st. to Cumberland st.....	355	370	1899
Public alley 417.....	Between Beacon and Marlborough sts., from Exeter st. towards Fair- field st.....	115	102	.....
Public alley 419.....	Between Beacon and Marlborough sts., from Dartmouth st. to Claren- don st.....	575	511	1899
Public alley 420.....	Between Beacon and Marlborough sts., from Clarendon st. to Berke- ley st.....	580	515	.....
Public alley 423.....	Between Commonwealth ave. and Marlborough st., from Berkeley st. to Clarendon st.....	580	516	.....
Public alley 431.....	Between Commonwealth ave. and Newbury st., from Hereford st. to 83 ft. west of Gloucester st.....	312	277	1899
Public alley 437.....	Between Commonwealth ave. and Newbury st., from Berkeley st. to Arlington st..	631	561	1898
Public alley 438.....	Between Newbury and Boylston sts., from Arlington st. to Berkeley st..	631	561	.....
Public alley 701.....	Between Union Park and Upton st., from 130 ft. east of Tremont st. to Shawmut ave.....	521	611	1899
Spring st.....	Poplar st. to Leverett st.	447	908	1895
Stevens st.....	Lincoln pl. towards Shawmut ave...	16	22	1897
<i>Carried forward</i>	.....	36,485	111,159	

List of Streets Paved with Trinidad Asphalt. — Continued.**City Proper.**

Name.	Location.	Length.	Area.	Year Laid.
<i>Brought forward,</i>		36,485	111,159	
Stillman st.....	Endicott st. across N. Margin st....	170	453	1892
Stoddard st.....	Howard st. to Court st.....	135	150	1892
Sun Court st.....	North st. to Moon st.....	151	218	1891
Temple pl.....	Washington st. to Tremont st.....	503	1,621	1900
Thacher st.....	Charlestown st. to Endicott st.....	203	562	1892
Tileston st.....	155 ft. west of Hanover st. across Unity st.	254	346	1887
Tileston st.....	Unity st. to Salem st.	163	124	1895
Tremont st.....	Scollay sq. to 23 ft. north of Beacon st.	460	1,586	1900
Tremont st.....	21 ft. south of Beacon st. to Boyls- ton st.....	2,317	8,784	1900
Tremont st.....	At Castle sq.	60	771	1899
Trinity pl.....	St. James st. across Stuart st.....	391	1,130	1899
Trinity pl.....	Stuart st. across Stanhope st.....	262	757	1900
Unity st.	Charter st. to Tileston st.	330	500	1897
Warrenton st.....	Elliot st. to Tremont st.....	670	1,587	1884-91
Warrenton st.....	Shawmut ave. to Washington st....	468	910	1891
Water st.....	Congress st. to Kilby st.....	255	694	1889
Water st.....	Liberty sq. to Broad st....	252	682	1896
Wiggin st.....	N. Margin st. to Tileston st.	107	119	1887
Wiget st.....	Salem st. to N. Margin st.....	259	240	1897
West st.....	At Tremont st.....		64	1900
Winter st.	At Tremont st.....		38	1900
		43,895	132,495	

Charlestown.

Austin st.....	Seminary pl. to Lawrence st.....	156	451	1891
Bunker Hill st.....	At Tufts st.		150	1897
Charlestown bridge	Over Fitchburg Railroad.....	60	533	1899
Corey st.	124 ft. north of Moulton st. to Moul- ton st.....	124	276	1897
Moulton st.....	Easterly side of Corey st. to Vine st.,	81	243	1897
Moulton st.....	Vine st. to Bunker Hill st.....	130	390	1897
Rutherford ave....	Devon st., 128 ft. westerly	128	284	1897
Tufts st.....	Bunker Hill st., 141 ft. northerly....	141	415	1897
Vine st.....	Bunker Hill st., across Moulton st...	165	670	1897
		985	3,412	

List of Streets Paved with Trinidad Asphalt. — Concluded.**South Boston.**

Name.	Location.	Length.	Area.	Year Laid.
D st.....	W. Fifth st. to Gold st.....	126	448	1889
E st.....	W. Third st. to Bolton st.....	111	410	1892
Rogers st.	Dorchester st. to Preble st.	360	480	1891
W. Sixth st.	160 ft. east of C st., towards D st....	91	305	1897
W. Third st.....	153 ft. west of E st., across E st.....	185	769	1892
		873	2,412	.....

Roxbury.

Cabot st.....	Tremont st. to Ruggles st.....	1,236	3,571	1891
Cabot st.....	Easterly side of Ruggles st. to Vernon st.....	723	2,988	1892
Cabot st.....	Easterly side of Vernon st. to Linden Park st.....	484	1,390	1897
Columbus ave.....	301 ft. south of Camden st., across Terry st.....	2,640	15,840	1896
Public alley 404.....	Between Huntington ave. and St. Botolph st., from 66 ft. south of Cumberland st. to Public alley 405,	534	533	1899
Public alley 405.....	94 ft. east of Huntington ave. to 62 ft. west of St. Botolph st., rear northeast side of Massachusetts ave.....	100	89	1899
Ipswich st.....	Bridge over waterway.....	.....	300	1898
		5,717	24,711	.....

List of Streets Paved with Sicilian Rock Asphalt, Feb. 1, 1901.
City Proper.

NAME.	Limits.	Length.	Area.	Year Laid.
Acton st.....	Washington st. to Bradford st.....	259	352	1896
Albany st.....	Easterly side of Stoughton st. across E. Concord st.	285	1,710	1897
Ash st.....	Oak st. across Nassau st.....	220	391	1895
Avery st.....	Washington st. to Mason st.....	360	275	1897
Beacon st.	Arlington st. to Clarendon st.	1,241	6,681	1900
Barton st.	Leverett st. to Milton st.....	427	723	1895
Bradford st.....	Waltham st. to Shawmut ave.....	600	1,270	1897
Boylston st.	Eastside Arlington st. to Berkeley st.	681	3,827	1900
Cobb st.	Washington st. to Shawmut ave....	347	1,041	1897
Decatur st.	Washington st. to Harrison ave....	370	781	1892
Dwight st.....	Shawmut ave. to Tremont st.....	716	2,075	1893
Exeter pl.	Chauncey st. to Harrison ave.....	170	387	1897
Fabin st.	Newland st. to Ivanhoe st.	421	615	1895
Fay st.....	Dover st. to Harrison ave.	318	560	1894
Hanover st.	Tileston st. across Charter st.....	315	934	1896
Hamburg st.....	Mystic st. to Harrison ave.	383	597	1896
Huntington ave....	B. & A. R.R. to Cumberland st.....	1,591	8,840	1896
Kingston st....	Beach st. to Essex st.....	492	1,859	1899
Mason st.....	From a point 213 ft. south of West st. to 444 ft. south of West st.....	231	470	1894
Massachusetts ave..	Washington st. to Harrison ave. (southerly roadway)	344	2,030	1894
Massachusetts ave..	Harrison ave. to Albany st. (south- erly roadway).....	318	2,121	1894
Mayo st.....	Castle st. to Cobb st.....	251	418	1897
Meander st.	East Dedham st. to Malden st.....	307	437	1896
Motte st.....	Washington st. to Harrison ave....	332	516	1892-99
Mystic st.....	Malden st. to East Dedham st.....	204	226	1896
Mystic st.....	East Dedham st. to East Canton st..	215	335	1896
Mystic st.....	East Canton st. to East Brookline st.	216	337	1896
No. Margin st.....	Thacher st. towards Endicott st.	205	518	1897
Norwich st.....	Mystic st. to Meander st.	221	339	1896
Ohio st.....	Washington st. to Shawmut ave....	343	277	1896
Pemberton sq.....	Front of Suffolk County Court-house,	323	1,365	1894
Prince st.....	Hanover st. to Bennet ave.....	293	654	1895
Prince st.....	Salem st., 220 ft. towards Hanover st.	213	487	1900
Shawmut ave.....	132 ft. south of Castle st. across Cherry st....	327	945	1898
<i>Carried forward,</i>	.....	13,539	44,393	

List of Streets Paved with Sicilian Rock Asphalt. —Continued.
City Proper.

NAME.	Limits.	Length.	Area.	Year Laid.
<i>Brought forward,</i>		13,539	44,393	
Taylor st.....	Dwight st. to Milford st.....	196	274	1896
Whitmore st.....	Kneeland st. to Harvard st.....	249	445	1895
		13,984	45,112	

East Boston.

Meridian st.....	Trenton st. to Eutaw st.....	235	600	1900
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Charlestown.

Warren st.....	Winthrop st. to Soley st.	127	365	1895
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South Boston.

Athens st.	West Second st. to A st.	617	916	1895
Athens st.	B st. to C st.....	515	746	1892
E. Broadway.....	Front of Lincoln School	180	1,000	1897
K st.....	East Sixth st. to East Eighth.	566	1,083	1896
W. Broadway.....	From 196 ft. east of easterly line of Dorchester ave. to A st.	360	1,440	1892
W. Broadway.....	Gardner pl. to 150 ft. easterly	150	648	1893
W. Broadway.....	New England Bridge to E st. (4-ft. gutters)		1,487	1897
W. Broadway.....	150 ft. west of F st. to 267 ft. east of F st.....	448	1,544	1897
W. Broadway.....	267 ft. east of F st. to 44 ft. west of Dorchester st.....	410	1,818	1898
		3,246	10,682	

Roxbury.

Columbus ave.	Terry st. to within 61 ft. north of Station st.....	884	5,304	1896
Huntington ave.....	Easterly side of Cumberland st. to Massachusetts ave.	747	4,150	1896
Huntington ave....	Massachusetts ave. to Gainsborough st.	587	3,372	1896
		2,218	12,826	

Brighton.

Cottage Farm bridge.....	Over Boston & Albany Railroad....	140	1,556	1896
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List of Streets Paved with Seyssel Rock Asphalt, Feb. 1, 1901.
City Proper.

NAME.	Limits.	Length.	Area.	Year Laid.
Genesee st.....	Harrison ave. to Albany st.....	505	1,122	1899
Mason st.....	444 ft. south of West st. to Avery st.,	123	265	1899
Milton st.....	Brighton st. to Spring st.....	308	274	1899
Oswego st.....	Harrison ave. to Albany st.....	506	1,068	1899
Paul st.....	Emerald st. to Village st.....	133	236	1897
Pelham st.....	Washington st. to Shawmut ave.....	320	693	1897
Public alley 102.....	23 ft. south of Marshall st. to Creek sq.	182	184	1899
Public alley 702.....	Worcester st. to W. Springfield st...	222	222	1899
Public alley 703.....	Between Newland st. and Public alley 702.....	116	103	1899
Waterford st.....	Washington st. to Shawmut ave.....	316	544	1897
Paul st.....	Village st. to Tremont st.....	276	456	1897-99
		3,007	5,167	

Other Asphalt Streets.

NAME.	Location.	Length.	Area.	Year Laid.
Harris st.....	Hanover st. to North st. (coal tar, Ayer's)	294	425	
Massachusetts ave..	Columbus ave. to Tremont st., north-erly roadway (asphaltina).....	267	1,622	1897
Public alley 422.....	Between Commonwealth ave. and Marlborough st., from Arlington st. 70 ft. westerly (tar concrete)....	70	62	
Public alley 436.....	Between Commonwealth ave. and Newbury st., from Berkeley st. to Clarendon st. (tar concrete).....	580	516	
I st., South Boston..	East Broadway to East Fourth st. (coal tar, Ayer's)	272	1,027	
		1,483	3,672	

Summary.

Trinidad asphalt	51,210 feet, or	9.70 miles, or	162,452 sq. yds.		
Sicilian rock asphalt.....	19,950 "	3.77 "	71,141 "		
Seyssel rock asphalt.....	3,007 "	0.57 "	5,167 "		
Other asphalts.....	1,743 "	0.33 "	4,230 "		
Total sheet asphalts.....	75,910 "	14.37 "	242,990 "		
Asphalt blocks.....	2,124 "	0.40 "	4,173 "		
Total.....	78,034 "	14.77 "	247,163 "		

A List of Streets Paved with Sheet Asphalt and having a Maintenance Guarantee, February 1, 1901.
Trinidad Asphalt.

City Proper.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
Albany st.....	80 feet north of Broadway across Way st.....	Concrete	105	.020	397	Aug. 17, 1904
Andrews st.....	East Dedham to East Canton st.....	Concrete	216	.041	312	Oct. 22, 1909
Batterymarch st.	Milk st. to Liberty sq.....	Concrete	150	.028	466	Sept. 28, 1901
Beacon st.....	150 feet from west curb line of Gloucester st. to 68 feet beyond west line of Gloucester st.....	Concrete	218	.041	1,183	June 16, 1903
Boylston st.....	Easterly side Berkeley st. across Clarendon st.....	Concrete	656	.124	3,869	Oct. 4, 1902
Broadway.....	Albany st. to 105 feet west of Albany st.....	Concrete	105	.020	467	Nov. 11, 1904
Castle st.....	Castle sq. easterly.....	Concrete .....	.....	.....	427	Aug. 27, 1904
Cazenove st.....	For 45 feet from Columbus ave.....	Concrete	45	.009	100	July 15, 1904
Charles st.	Easterly side of Fruit st. across Allen st.....	Cobble and Concrete...	706	.134	1,804	Oct. 31, 1909
Columbus ave...	Boston & Albany R.R. bridge to Chandler st.....	Cobble and Concrete...	180	.034	740	July 15, 1904
Columbus ave...	Massachusetts ave. to 304 feet south of Camden st.....	Cobble and Concrete...	903	.171	5,418	Nov. 7, 1901
Cooper st.....	Endicott st. to Charlestown st.....	Cobble and Concrete...	205	.039	604	Sept. 27, 1902
Cornlng st... ..	Washington st. to Shawmut ave.....	Cobble and Concrete...	338	.064	734	May 25, 1901
Dartmouth st....	Buckingham st. to Boston & Albany R.R. bridge.....	Cobble and Concrete...	127	.024	580	May 16, 1904
Devonshire st. .	Milk st. to Water st.....	Cobble and Concrete...	262	.050	786	Oct. 1, 1909
Endicott st.	Cooper st. across Thatcher st.....	Cobble and Concrete...	318	.060	1,078	Oct. 26, 1909

A List of Streets Paved with Sheet Asphalt, etc. — Continued.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expres.
Ferdinand st....	At Castle sq.....	Cobble and Concrete...	37	.007	107	June 1, 1904
Harrison ave....	22 feet south of Kneeland st. to 22 feet north of Harvard st.	Cobble and Concrete...	249	.047	885	Nov. 16, 1903
Hayward pl....	Washington st. to Harrison ave.	Concrete	260	.049	578	Nov. 7, 1903
Kilby st.....	State st. to Milk st., including Liberty sq.....	Cobble and Concrete...	640	.121	4,059	Sept. 28, 1903
Laconia st.....	Washington st. to Harrison ave.....	Concrete	330	.063	727	June 18, 1901
LaGrange st....	Tremont st. toward Washington st.....	Concrete	181	.034	355	Oct. 23, 1902
Lincoln pl.....	Worcester st. to West Springfield st.....	Concrete	217	.041	313	Aug. 17, 1902
Mason st.....	Tremont st. 85 feet easterly	Concrete	85	.016	164	Nov. 10, 1910
Parkman st.	North Anderson st. across Blossom st.....	Concrete	241	.046	550	Oct. 14, 1903
Plne st.....	Washington st. to Harrison ave.....	Concrete	419	.079	597	June 18, 1901
Public alley 401.	Between Huntington ave. and St. Botolph st., from Irvington st. to Garrison st.....	Concrete	350	.066	362	Oct. 2, 1903
Public alley 402.	Between Huntington ave. and St. Botolph st., from Garrison st. to West Newton st.....	Concrete	358	.068	374	Sept. 30, 1909
Public alley 403.	Between Huntington ave. and St. Botolph st., from West New- ton st. to Cumberland st.	Concrete	355	.067	370	Sept. 29, 1909
Public alley 419.	Between Beacon st. and Marlborough st., from Clarendon st. to Dartmouth st.....	Concrete	575	.109	511	Sept. 28, 1909
Public alley 431.	Between Commonwealth ave. and Newbury st., from Hereford st. to 83 feet west of Gloucester st.....	Concrete	312	.059	277	Sept. 25, 1909
Public alley 437.	Between Commonwealth ave. and Newbury st., from Berkeley st. to Arlington st.....	Concrete	631	.120	561	Dec. 10, 1908
Public alley 701.	Between Union Park and Upton st., from 130 feet east of Tremont st. to Shawmut ave.....	Concrete ...	521	.099	611	Nov. 8, 1909
Stevens st.	Lincoln pl. towards Shawmut ave.....	Concrete	16	.003	22	Aug. 17, 1902
Temple pl.....	Tremont st. to Washington st.....	Concrete	503	.095	1,495	Oct. 1, 1910

Tremont st.	At Castle sq.	Concrete	60	.011	771	Aug. 27, 1904
Tremont st.	Boylston st. to Scollay sq.	Concrete	2,777	.526	10,562	Dec. 2, 1910
Trinity pl.	St. James st. across Stuart st.	Concrete	398	.075	1,150	Sept. 18, 1909
Trinity pl.	Stuart st. across Stanhope st.	Concrete	262	.049	757	Dec. 1, 1910
Unity st.	Charter st. to Tileston st.	Concrete	330	.062	500	Oct. 6, 1902
Water st.	Liberty sq. to Broad st.	Concrete	252	.048	682	Oct. 10, 1901
Wiget st.	Salem st. to North Margin st.	Concrete	259	.049	240	Sept. 25, 1902
Totals. ....	.....	.....	15,152	2.868	46,545	

Charlestown.

Bunker Hill st. ..	At Tufts st.	Concrete. ....	.....	.....	150	Nov. 3, 1902
Corey st.	124 ft. north of Moulton st.	Concrete.	124	.024	276	Nov. 3, 1902
Moulton st.	Easterly side of Corey st. to Vine st.	Concrete.	81	.015	243	Nov. 3, 1902
Moulton st.	Vine st. to Bunker Hill st.	Concrete.	130	.025	390	Nov. 3, 1902
Rutherford ave. ..	Devon st., 128 ft. westerly.	Concrete.	128	.024	284	Nov. 5, 1902
Tufts st.	Bunker Hill st. 141 ft. northerly.	Concrete.	141	.027	415	Nov. 3, 1902
Vine st.	Bunker Hill st. across Moulton st.	Concrete.	165	.031	670	Nov. 3, 1902
Totals. ....	.....	.....	769	.146	2,428	

A List of Streets Paved with Sheet Asphalt, etc. — Continued.

Roxbury.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
Cabot st.....	East side Vernon st. to Linden Park st.....	Concrete.....	484	.091	1,390	Aug. 30, 1902
Columbus ave...	301 ft. south of Camden st. across Terry st.....	Concrete.....	2,640	.500	15,840	Nov. 7, 1901
Public alley 404..	Between Huntington ave. and St. Botolph st., from 66 ft. south of Cumberland st. to Public alley 405....	Concrete.....	534	.101	533	Oct. 5, 1909
Public alley 405..	Rear north-east side of Massachusetts ave., from 94 ft. east of Huntington ave. to 62 ft. west of St. Botolph St.....	Concrete.....	100	.019	89	Oct. 5, 1909
Totals.....	.....	.....	3,758	.711	17,852	

Sicilian Rock Asphalt.

City Proper.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
Acton st.....	Washington st. to Bradford st.	Concrete	259	.049	352	Nov. 1, 1901
Albany st.	Easterly side Stoughton st. across East Concord st.	Concrete	285	.054	1,710	Nov. 8, 1902
Avery st.....	Washington st. to Mason st.....	Concrete	360	.068	275	Oct. 18, 1902
Beacon st.....	Arlington st. to Clarendon st.....	Concrete	1,245	.235	6,681	Unfinished.
Boylston st.....	Arlington st. to Berkeley st.	Concrete	681	.129	3,844	Nov. 28, 1910

Bradford.....	Waltham st. to Shawmut ave.....	Concrete.....	600	.114	1,270	Sept. 11, 1902
Cobb st.....	Washington st. to Shawmut ave.....	Concrete.....	347	.066	1,041	Sept. 16, 1902
Exeter pl.....	Chauncey st. to Harrison ave.....	Concrete.....	170	.032	387	Oct. 20, 1902
Hamburg st.....	Mystic st. to Harrison ave.....	Concrete.....	383	.072	597	Oct. 1, 1901
Hanover st.....	Tilleston st. across Charter st.....	Concrete.....	315	.060	934	May 14, 1901
Huntington ave.,	B. & A. R.R. bridge to Cumberland st.....	Concrete.....	1,591	.301	8,840	Oct. 12, 1901
Kingston st.....	Beach st. to Essex st.....	Concrete.....	492	.093	1,859	Aug. 9, 1909
Mayo st.....	Castle st. to Cobb st.....	Concrete.....	251	.047	418	Sept. 11, 1902
Meander st.....	East Dedham st. to Malden st.....	Concrete.....	307	.058	437	Sept. 3, 1901
Mystic st.....	Malden st. to East Dedham st.....	Concrete.....	204	.039	226	Oct. 20, 1901
Mystic st.....	East Dedham st. to East Canton st.....	Concrete.....	215	.041	335	Oct. 20, 1901
Mystic st.....	East Canton st. to East Brookline st.....	Concrete.....	216	.041	337	Oct. 20, 1901
North Margin st.	Thacher st. toward Endicott st.....	Concrete.....	205	.039	518	Nov. 19, 1902
Norwich st.....	Mystic st. to Meander st.....	Concrete.....	221	.042	339	Sept. 24, 1901
Ohio st.....	Washington st. to Shawmut ave.....	Concrete.....	343	.065	277	July 30, 1901
Prince st.....	Salem st. toward Hanover st.....	Concrete.....	213	.040	464	Dec. 7, 1910
Shawmut ave....	132 feet south of Castle st. across Cherry st.....	Concrete.....	327	.062	945	Sept. 19, 1903
Taylor st.....	Dwight st. to Milford st.....	Concrete.....	196	.637	274	May 29, 1901
Totals.....	.....	.....	9,426	1.784	32,360	

East Boston.

Meridian.....	Trenton st. to Eutaw st.....	Concrete.....	235	.044	540	Dec. 3, 1910
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A List of Streets Paved with Sheet Asphalt, etc. — Continued.

South Boston.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
East Broadway.	Front of Lincoln school	Concrete.....	180	.034	1,000	Oct. 7, 1902
K st.....	East Sixth st. to East Eighth st.....	Concrete.....	566	.107	1,083	May 20, 1901
West Broadway,	N. Y., N.H. & H. R.R., Midland Div., bridge to E. st.(4 ft. gutters),	Concrete.....	.....	.....	1,487	Oct. 5, 1902
West Broadway,	150 ft. west of F st. to 267 ft. east of F st.....	Concrete.....	448	.085	1,544	Oct. 28, 1902
West Broadway,	267 ft. east of F st. to 44 ft. west of Dorchester st... ..	Concrete.....	410	.078	1,818	Dec. 15, 1903
Totals.....	.....	.....	1,604	.304	6,932	

Roxbury.

Columbus ave. . .	Terry st. to 61 ft. north of Station st.....	Concrete.....	884	.168	5,304	Oct. 23, 1901
Ipswich st.....	Bridge over the waterway.....	.....	61	.011	267	Aug. 1903
Huntington ave.,	Easterly side of Cumberland st. to Massachusetts ave.....	Concrete.....	747	.141	4,150	Oct. 12, 1901
Huntington ave.,	Massachusetts ave. to Gainsborough st	Concrete.....	587	.111	3,372	Oct. 12, 1901
Totals.....	.....	.....	2,218	.420	13,126	

Brighton.

Cottage Farm...	Bridge over B. & A. R.R., northerly roadway.....	Concrete.....	}	140	.027 }	778	June 25, 1901
Cottage Farm...	Southerly roadway.....	Concrete.....					
Totals.....	.....	.....		140	.027	1,556	Oct. 29, 1901

Seyssel Asphalt.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
Genesee st.....	Harrison ave. to Albany st.	Concrete	505	.096	1,122	July 12, 1904
Mason st.	444 feet south of West st. to Avery st.	Concrete	123	.023	265	Nov. 23, 1904
Milton st.	Brighton st. to Spring st.	Concrete	308	.058	274	Sept. 8, 1909
Oswego st.	Harrison ave. to Albany st.	Concrete	506	.096	1,068	July 22, 1904
Paul st.	Emerald st. to Village st.	Concrete	133	.025	236	Oct. 23, 1902
Paul st..	Village st. to Tremont st.	Concrete	276	.052	456	Oct. 23, 1902
Pelham st.	Washington st. to Shawmut ave.	Concrete	320	.061	693	Oct. 12, 1902
Public alley 102,	23 feet south of Marshall st. to Creek sq.....	Concrete	182	.034	184	Nov. 11, 1909
Public alley 702,	Worcester st. to West Springfield st.	Concrete	222	.042	222	Nov. 9, 1909
Public alley 703,	Between Newland st. and Public alley 702.....	Concrete	116	.022	103	Nov. 9, 1909
Waterford st....	Washington st. to Shawmut ave.	Concrete	316	.060	544	Nov. 13, 1902
Totals .....	.....	.....	3,007	.569	5,167	

A List of Streets Paved with Sheet Asphalt, etc. — *Concluded.*
Asphaltina.

NAME.	Limits.	Base.	Length, feet.	Length, miles.	Area.	Guarantee expires.
Massachusetts ave	Columbus ave. to Tremont st., northerly roadway.....	Concrete	267	.051	1,622	Oct. 11, 1902
<i>Summary.</i>						
Trinidad asphalt.....		19,679 feet or 3.725 miles or 66,825 square yards.				
Sicilian rock asphalt.....		13,623	2.579	54,514	"	"
Seyssel rock asphalt.....		3,007	0.569	5,167	"	"
Asphaltina.....		267	0.051	1,622	"	"
		<u>*36,576</u>	<u>6.924</u>	<u>128,128</u>	<u>"</u>	<u>"</u>

* Total sheet asphalt under maintenance guarantee, February 1, 1901.

Cost of Asphalt Patching, 1900.
Work done by the Barber Asphalt Paving Company.
Trinidad Asphalt.

STREET LIMITS.	Year Laid.	Base.	Length, Miles.	Total Square Yards in Street.	Square Yards Resurfaced.	Cost of Patching.	Cost per Square Yard for Maintenance.
Court square, westerly side.....	1881	Concrete ...	.064	950	7.86	\$19 65	\$0.021
Doane st., Kilby to Broad st.....	1881	Concrete ...	.059	624	*11.62	24 77	.040
Liberty sq., that part east of Kilby st.....	1881	Concrete ...	.....	505	1.19	2 97	.006
Congress sq., intersection.....	1883	.....	Resurfaced				
North Bennet st., Hanover to Salem st.....	1883	Cobble.....	.105	920	51.36	128 40	.140
Albany st., East Concord towards Massachusetts ave.....	1884	Concrete ...	.085	2,700	*142.43	315 09	.117
Ash st., Bennet to Nassau st.....	1887	Concrete ...	.044	427	4.84	12 13	.028
Bennet st., between Washington st. and Harrison ave.....	1887	Concrete ...	.034	350	6.04	15 10	.043
Central st., Kilby to Broad st.....	1887	Concrete ...	.059	869	0.98	2 45	.003
Cooper st., North Margin across Endicott st.....	1887	Concrete ...	.037	597	15.32	38 30	.064
Exchange pl., Congress to Kilby st.....	1887	Concrete ...	.046	678	7.08	17 70	.026
Poplar st., Spring to Charles st.....	1887	Cobble.....	.109	1,192	48.31	120 78	.101
Tileston st., 155 feet west of Hanover across Unity st.....	1887	Cobble.....	.048	346	18.71	46 77	.135
Wiggin st., Tileston to North Bennet st.....	1887	Cobble.....	.020	119	8.51	21 28	.179
West Sixth st., between C and D sts.....	1887	Concrete ...	.017	305	2.37	5 92	.019
Brattle sq., Brattle to Elm st.....	1888	Concrete ...	.053	670	21.95	54 87	.082

Cost of Patching, Trinidad Asphalt, 1900.—Continued.

STREET LIMITS.	Year Laid.	Base.	Length, Miles.	Total Square Yards in Street.	Square Yards Resurfaced.	Cost of Patching.	Cost per Square Yard for Maintenance.
D st., Fifth to Gold st.....	1889	Concrete...	.024	448	2.95	7 38	.016
Water st., Congress to Kilby st.....	1889	Concrete...	.048	694	120.02	300 05	.432
Austin st., Seminary pl. to Lawrence st... ..	1891	Concrete...	.030	451			
Beacon st., Charles across Arlington st.....	1891	Concrete...	.165	3,800	131.08	327 70	.086
Cabot st., Tremont to Ruggles st.....	1891	Concrete...	.234	3,571	66.34	165 85	.046
Court st., Washington to Court sq.....	1891	Concrete...	.044	642	31.02	77 55	.121
Hollis st., Tremont toward Washington st.....	1891	Block	.052	521	6.39	15 98	.031
Hudson st., Beach to 90 feet North of Curve st.....	1891	Concrete...	.266	3,938	243.58	608 95	.155
Moon st., North sq. to Lewis st.....	1891	Cobble.....	.034	384	5.29	13 22	.034
Rogers st., Dorchester to Preble st.....	1891	Cobble.....	.068	480			
Sun Court st., Moon to North st.....	1891	Cobble.....	.029	218	1.75	4 37	.020
Warrenton st.....	1891	Cobble.....	.216	2,497	3.42	71 05	.030
Beacon st., Dartmouth to within 150 feet of Gloucester st....	1892	Concrete...	.330	9,277	471.77	1,179 43	.127
Brighton st., Leverett to Allen st.....	1892	Cobble.....	.160	1,737	160.23	400 58	.230
Cherry st., Washington st. to Shawmut ave	1892	Concrete...	.063	594			
Clark st., Hanover to North st.....	1892	Cobble.. ..	.060	614	17.31	43 27	.070
Davis st., Washington st. to Harrison ave.....	1892	Concrete...	.061	646	3.85	9 62	.015
Groton st., Washington st. to Shawmut ave.....	1892	.....	.063	558	7.07	17 68	.032
Hanover ave., Hanover st. to North st.....	1892	Cobble.....	.058	266	6.33	15 83	.060

1892	.....	.049	290			
Malcolm st., Mt. Vernon to Chestnut st.....	Concrete....	.174	5,549	100.74	251 85	.045
Massachusetts ave., Columbus ave. to Washington st., southerly roadway.....	Cobble.....	.115	1,250	46.20	115 50	.092
Poplar st., Chambers across Spring st.....	Cobble.....	.032	453	6.93	17 32	.038
Stillman st., Endicott across North Margin st.....	Cobble.....	.026	150	24.50	61 25	.408
Stoddard st., Howard to Court st.....	Concrete....	.038	562	2.41	6 02	.011
Thacher st., Charlestown to Endicott st.....	Concrete....	.137	2,988	13.94	34 85	.012
Cabot st., easterly side Ruggles to Vernon st.....	Concrete....	.021	410			
E st., West Third to Bolton st.....	Concrete....	.035	769			
West Third st., west of E st., across E st.....	Concrete....	.663	15,000	* 1,055.53	2,632 53	.176
Columbus ave., B. & A. R.R. to Massachusetts ave.....	Concrete....	.144	995	36.02	90 05	0.090
Harrison ave., between E. Newton st. and Massachusetts ave.....	Concrete....	.081	1,267	37.86	94 65	.075
Arch st., Franklin to Milk st.....	Concrete....	.193	5,391	251.06	627 65	.116
Beacon st., 68 feet south of Gloucester st. to Massachusetts ave.....	Concrete....	.053	764	*65.63	140 58	.184
Parmenter st., Hanover to Salem st.....	Cobble.....	.025	186	16.53	41 32	.222
Barton ct., Barton to Brighton st.....	Cobble.....	.087	1,061	73.43	183 58	.173
Chambers st., Green across Poplar st.....	Cobble.....	.060	636			
Charter st., Hanover across Unity st.....	Concrete....	.062	933	12.26	30 65	.031
Court sq., easterly side.....	Concrete....	.050	2,058	32.25	80 62	.039
Dartmouth st., Boylston to Newbury st.....	Macadam....	.081	735			
Oxford st.....		4.911	84,035	3,427.27	\$8,493 11	

* Part surface heater work.

Prices paid, \$2.50 per square yard for entire removal.

Prices paid, \$2.00 per square yard for surfacing patches.

Average cost per square yard, \$0.101.

Cost of Patching, 1900. — Concluded.
Work done by Boston Asphalt Company.
Sicilian Rock Asphalt.

STREET LIMITS.	Year Laid.	Base.	Length, Miles.	Total Square Yards in Street.	Square Yards Resurfaced.	Cost of Patching.	Cost per Square Yard for Maintenance.
Athens st., B to C st.....	1892	Concrete ...	.098	746			
Broadway, between Dorchester ave. and A st	1892	Concrete ...	.068	1,440	122.96	\$307 40	\$0.213
Decatur st., Washington st. to Harrison ave.....	1892	Concrete ...	.070	781	25.09	62 73	.080
Motte st., Washington st. to Harrison ave.....	1892	Concrete ...	.063	516			
Dwight st., Shawmut ave. to Tremont st.....	1893	Concrete ...	.136	2,075	12.80	32 00	.015
Broadway, Gardiner pl. to 150 ft. east.....	1893	Concrete ...	.028	648	15.61	39 02	.060
Ash st., Oak across Nassau st.....	1894	Cobble.....	.042	391	17.95	44 88	.115
Charles st., in front of Old Eye and Ear Infirmary.....	1894	Paved with Granite Blocks.					
Fay st., Harrison ave. to Dover st.....	1894	Cobble.....	.060	560			
Mason st., 213 ft. south of West st. to 444 ft. south of West st.,	1894	Block.....	.044	470	35.84	89 60	.191
Massachusetts ave., Washington to Albany, southerly roadway.....	1894	Concrete ...	.125	4,151	16.24	40 60	.010
Pemberton sq., in front Suffolk County Court House.	1894	Concrete ...	.061	1,365			
			.795	13,143	246.49	\$616 23	

Price paid, \$2.50 per square yard.
Average cost per square yard, \$0.047.
Measurements have also been made of asphalt patching, made necessary by settlement, resetting edgestones, resetting crosswalks, etc., which are not included in these tables.

Repairs made by Barber Asphalt Company.

Coal Tar Pavement.

STREET LIMITS.	Year Laid.	Base.	Length, Miles.	Total Square Yards in Street.	Square Yards Resurfaced.	Cost of Patching.	Cost per Square Yard for Maintenance.
Harris st., Hanover to North.....		Cobble.....	.056	425	8.67	\$21 67	\$0.051
I st., Broadway to E. Fourth.....		Cobble.....	.051	1,027	108.40	271 00	.264
	,		.107	1,452	117.07	\$292 67	

Price paid, \$2.50 per square yard.
Average cost per square yard, \$0.201.

Comparative Cost, for the Year 1900, of Patching Asphalt Pavements, having no Maintenance Guarantee.

Trinidad Asphalt.

PAVEMENT LAID.	Area square yards.	Cost.	Average Cost per sq. yard.
1881	2,079	\$47 39	\$0.023
1883	920	128 40	.140
1884	2,700	315 09	.117
1887	4,883	280 43	.057
* 1888	1,665	144 92	.087
1889	1,142	307 43	.269
† 1891	16,502	1,284 67	.078
1892	26,113	2,153 20	.082
1893	7,422	862 88	.116
‡ 1894	5,609	336 17	.060
	69,035	\$5,860 58	

* Not including Columbus avenue.

† Harrison avenue, part of which has been resurfaced, included in 1888.

‡ Including Oxford street, which was laid in 1895.

Sicilian Rock Asphalt.

PAVEMENT LAID.	Area square yards.	Cost.	Average Cost per sq. yard.
1892	3,483	\$370 13	\$0.106
1893	2,723	71 02	.026
1894	6,937	175 08	.025
	13,143	\$616 23	

Street Mileage.

The following table shows the length of public highways and character of the pavements, February 1, 1901.

DISTRICTS.	Asphalt.	Granite Block.	Wooden Block.	Brick.	Cobble.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1899 report.....	13.80	86.97	.....	0.80	1.01	280.57	95.98	10.42	489.55
February 1, 1901.									
City Proper.....	12.09	45.00	0.06	0.66	0.67	25.84	0.34	0.35	85.01
Charlestown.....	0.21	9.35	.....	.....	.....	13.49	.....	0.02	23.07
East Boston.....	0.05	4.78	.....	.....	0.13	8.39	14.28	0.14	27.77
South Boston.....	0.83	14.72	.....	.....	0.05	21.05	1.94	4.93	43.52
Roxbury.....	1.55	9.54	.....	0.14	0.02	67.86	7.42	1.99	88.62
West Roxbury.....	.....	0.20	.....	.....	.....	54.69	24.27	0.88	80.04
Dorchester.....	.....	4.24	.....	.....	.....	76.61	19.80	1.03	101.68
Brighton.....	0.03	.....	.....	.....	.....	24.20	17.88	0.13	42.24
Total.....	*14.76	†87.83	0.06	0.80	0.87	292.13	85.93	9.47	491.85

NOTE.— The above districts refer to areas enclosed by the original boundary lines.

* Of this amount 0.40 miles = asphalt blocks.

† Of this amount 8.24 miles = granite block paving on concrete base.

4.21 miles of public alleys, chap. 298, Acts of 1898, included in this table.

Total length of public streets, 491.85 miles.

There have been laid out and accepted by the Street Commissioners during the year 1.59 linear miles of public streets; corrections to previous measurements on account of revision and other causes show an increase of .71 miles, making a total net increase of 2.30 miles.

The rate of increase from year to year is shown in the following table :

1859.....111.50 miles.	1881.....355.50 miles.	1892.....434.59 miles.
1871.....201.32 "	1882.....359.85 "	1893.....443.34 "
1872.....207.40 "	1883.....367.99 "	1894.....447.65 "
1873.....209.24 "	1884.....374.10 "	1895.....452.12 "
1874.....313.90 "	1885.....379.60 "	1896.....456.11 "
1875.....318.58 "	1886.....383.55 "	1897.....459.12 "
1876.....327.50 "	1887.....390.30 "	1898.....471.19 "
1877.....333.20 "	1888.....392.72 "	1899.....479.47 "
1878.....340.39 "	1889.....397.84 "	1900.....489.55 "
1879.....345.19 "	1890.....404.60 "	1901.....491.85 "
1880.....350.54 "	1891.....409.60 "	

Areas of Pavement.

The following table shows the area of pavements in square yards, arranged by districts.

DISTRICTS.	Asphalt.	Granite Blocks.	Wooden Blocks.	Brick.	Cobble.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1899 report.....	225,811	1,912,176	.....	5,375	11,331	5,243,415	1,518,818	322,233	9,239,159
February 1, 1901.									
City Proper.....	189,394	978,316	1,295	4,713	6,074	485,095	2,508	8,618	1,676,013
Charlestown	3,777	215,274	.....	.....	.....	202,657	.....	3,269	424,977
East Boston	600	108,097	.....	.....	2,600	172,559	266,712	29,948	580,516
South Boston.....	14,121	334,978	.....	.....	1,192	371,435	38,601	122,908	883,235
Roxbury	37,686	208,179	.....	662	102	1,246,736	109,688	39,507	1,642,560
West Roxbury.....	.....	3,367	.....	.....	.....	927,584	357,823	24,311	1,313,085
Dorchester.....	.....	93,515	.....	.....	.....	1,392,816	313,373	54,049	1,853,753
Brighton	1,556	.....	.....	.....	.....	629,042	267,684	9,401	907,683
Total	*247,134	†1,941,726	1,295	5,375	9,968	5,427,924	1,356,389	292,011	9,281,822

NOTE — The above districts refer to areas enclosed by the original boundary lines.

*Of this amount 4,173 square yards = asphalt blocks.

†Of this amount 199,970 square yards = granite block paving on concrete base.

21,142 square yards of public alleys, Chap. 298, Acts of 1898, included in this table.

INCOME.

Statement showing the amount of bills and cash deposited with City Collector, less bills withdrawn, for the year ending January 31, 1901, by the several divisions of the Street Department:

Bridge Division	\$519 17
Boston and Cambridge Bridges	392 35
Ferry Division	164,241 49
Paving Division	10,088 81
Sanitary Division	10,708 84
Sewer Division	80,312 92
Street-Cleaning Division	2,264 38
Street-Watering	186,583 94
	<u>\$455,111 90</u>

Statement showing the amount paid into the City Treasury during the same period on account of the several Divisions of the Street Department:

Bridge Division	\$479 17
Boston and Cambridge Bridges	392 35
Ferry Division	164,091 49
Paving Division	8,817 14
Sanitary Division	7,426 07
Sewer Division	70,057 50
Street-Cleaning Division	1,522 75
Street-Watering	148,291 31
	<u>\$401,077 78</u>

CENTRAL OFFICE DIVISION.

EXPENSES OF THE CENTRAL OFFICE.

For the current expenses of the Central Office the City Council appropriated the sum of twenty thousand (\$20,000) dollars, which was expended as follows:

Salaries	\$17,235 01
General office expenditures	2,759 65

Total	\$19,994 66
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leaving a balance of five dollars and thirty-four cents (\$5.34), which was transferred to the City Treasury.

Respectfully submitted,

B. T. WHEELER,

Superintendent of Streets.

PART II.

APPENDICES.

PAGES 1 TO 254.

APPENDIX A.

REPORT OF THE DEPUTY SUPERINTENDENT OF THE BRIDGE DIVISION.

927 AND 928 TREMONT BUILDING,
BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets :

DEAR SIR, — I respectfully submit my annual report of the expenditures, income, and operations of the Bridge Division of the Street Department for the financial year ending January 31, 1901.

Embodied in this report will be found a detailed statement of the expenditures, a description of the work done on each bridge, also a tabulated account of the bridges supported wholly or in part by the City of Boston, widths of bridges and of draw openings, widths of roadways and sidewalks, character of pavements, number of openings made for navigation, etc.

The total number of bridges in Boston is 155, not including culverts. Eight of these bridges, namely, Harvard, Canal, Prison Point, West Boston, Essex street, Cambridge street, Western avenue to Cambridge, and North Harvard street, all connecting Boston and Cambridge, are under the care of two commissioners, one of whom is appointed by the Mayor of the City of Boston, the other by the Mayor of the City of Cambridge.

One hundred and fifteen bridges are supported wholly or in part by the City of Boston, 28 of which are tide-water bridges, provided with a draw, and 40 are wholly supported by railroad corporations.

Of the tide-water bridges there are 13 of great importance, namely, Malden and Mt. Washington avenue, operated by hand-power; the new Charlestown bridge, Summer street, Meridian street, Chelsea [North], Federal street, Dover street, all operated by electricity; Warren, Broadway, Congress street, L street, and Chelsea [South], operated by steam-power.

Work necessitating new floor beams, new deck, and sheathing, has been performed on Allston, Blakemore street, Massachusetts avenue, Mattapan, and Swett-street bridges. New sidewalks on Massachusetts avenue, Mattapan, West Fourth street, Dover street, Federal street, Beacon street, Milton, Malden and Dartmouth-street bridges.

Ironwork has been scraped and painted on Allston, Blakemore street, Massachusetts avenue, Chelsea [North], Athens street, Gold street, Dartmouth street, Albany street, Brookline avenue, and Neponset bridges.

Bulkheads have been strengthened on Swett street, Linden Park street, and Williams-street bridges.

Piers have been rebuilt, new floor laid in boiler-room, fences repaired and painted, machinery repaired, sidewalks redecked and concreted on Warren bridge.

Draw has been widened, new piers, new wheel-guards, and new machinery, on Chelsea [North] bridge.

Two shelter-houses have been erected on Summer-street bridge.

Roadway has been repaved on Congress-street bridge.

Summer street extension is now open to travel to South Boston, the bridges having been completed.

Extensive repairs have been made on Winthrop bridge.

Piers have been rebuilt, and the foundation of the old draw removed from Dover-street bridge.

The bridge over Ipswich street, in the parkway, has been completed.

The new Malden bridge, between Charlestown and Everett, is being constructed, and will be completed before the close of the present year.

If the proposed new Broadway bridge, now under consideration, is not constructed early in the coming year a special appropriation must be made to put the bridge in good condition, and to rebuild the piers.

Congress street and Mt. Washington-avenue bridges should be rebuilt. I would recommend that early action be taken, especially on Congress street.

The machinery, piers, fender-guards, and water-ways of Meridian-street bridge, Chelsea [South] and Neponset bridges, are in need of extensive repairs.

Many of the bridges are old, and require much reconstruction, and as a large per cent. of the maintenance appropriation is required for the actual operation of the bridges, payment of draw-tenders, etc., I would recommend that where extensive repairs are needed, special appropriations should be made for that purpose.

The headquarters now occupied by this Division at South Boston have been acquired by the New York, New Haven & Hartford Railroad Company, and I would recommend that a building, to be used as a stable and storehouse, be erected on the lot owned by the City of Boston, on Broadway, near the corner of Dorchester avenue.

Particular attention has been given to the painting of the ironwork under the floor of the different bridges.

The force employed on the tide-water bridges has been so assigned that there is now on duty at all times either the draw-tender or his first assistant. The work performed by the men in charge of these bridges has been generally satisfactory; they have kept the piers and premises in good condition, and no accident has been reported that could have been attributed to their carelessness or negligence.

The inland bridges have all been carefully looked after, and thoroughly swept each week.

Care has been exercised in keeping on hand duplicate parts of gearing and machinery, and by so doing, due precautions have been taken against inconvenience to public travel and navigation.

Respectfully yours,

WALTER REED,

Deputy Superintendent.

OBJECT OF EXPENDITURES.

ADMINISTRATION.

Office expenses :

Printing and stationery . . .	\$704 35	
Sundry office expenses . . .	220 67	
		\$925 02
Salaries of Deputy Superintendent and clerical force		6,860 08
Salaries of Supervisor and Foreman		3,313 91
Board of Deputy Superintendent's horse and extra horse		613 69
Paid expert on real estate		250 00
Telephone at Deputy Superintendent's house		34 93
Amount expended, administration		<u>\$11,997 63</u>

MAINTENANCE EXPENDITURES.

Administration	\$11,997 63
On tide-water bridges	92,788 57
<i>Carried forward</i>	\$104,786 20

<i>Brought forward</i>	.	.	.	.	.	\$104,786 20
On inland bridges	.	.	.	.	.	20,143 14
North yard and stable	.	.	.	.	.	4,931 70
South yard and stable	.	.	.	.	.	8,719 52
Total	.	.	.	.	.	<u>\$138,580 56</u>

FINANCIAL STATEMENT.

MAINTENANCE APPROPRIATION.

Appropriation 1900-1	.	.	.	.	.	\$173,000 00
Received from Boston & Albany Railroad Company for work done in 1900	.	.	.	.	.	115 41
Received from New York, New Haven & Hartford Railroad Company for work done in 1899	.	.	.	.	.	90 04

Total \$173,205 45

Amount of expenditures from February 1, 1900, to January 31, 1901	.	.	.	.	.	\$138,580 56
Transferred to Sanitary Division	.	.	.	.	.	4,238 30
Transferred to Street Cleaning Division	.	.	.	.	.	9,747 23
Unexpended balance (transferred to City Treasury January 31, 1901)	.	.	.	.	.	20,639 36

Total \$173,205 45

SPECIAL APPROPRIATIONS IN CHARGE OF BRIDGE DIVISION.

NAME OF APPROPRIATION.	Appropriations and Balances.	Expended Feb. 1, 1900, to Jan. 31, 1901, and Transfers.	Balances on hand Jan. 31, 1901.
Congress-street bridge, reconstruction,	\$3,699 25	\$3,699 25	
Dover-street bridge, tearing out old work	2,000 00	84 00	\$1,916 00
Harvard-street bridge, reconstruction..	2,045 76	2,045 76	
Warren bridge, redecking old piers....	4,000 00	4,000 00	
Winthrop bridge.....	1,000 00	60 00	940 00
Totals.. ..	\$12,745 01	\$9,889 01	\$2,856 00

Amount of expenditures February 1, 1900 to January 31, 1901	\$9,889 01
Balances unexpended	2,856 00

Amount of appropriations \$12,745 01

AMOUNTS CHARGED TO SPECIAL APPROPRIATIONS IN CHARGE
OF OTHER DIVISIONS.

Name of Appropriation.	Amount expended.
Chelsea bridge, widening opening, north draw .	\$304 61
Reserve fund, settlement of claims	338 00
Total	<u>\$642 61</u>
Amount expended and charged to maintenance appropriation	\$138,580 56
Amount expended and charged to Bridge Division specials	9,889 01
Amount expended and charged to appropriations in charge of other Divisions	642 61
Grand total of expenditures February 1, 1900, to January 31, 1901	<u>\$149,112 18</u>

A detailed statement of expenditures and description of work performed follows; also a list of those bridges maintained wholly or in part by the City of Boston; statement of the public landing places; list of cable-houses and boxes; also buildings on bridges in charge of this Division; number of draw openings made for navigation; width of draw openings, and table showing widths of bridges and kind of roadway and sidewalks.

TIDE-WATER BRIDGES.

Broadway bridge (over Fort Point channel).

Patched deck, repaired sheathing under nine different orders, repaired engine, machinery, fence, pier, and sidewalk:

Labor	\$680 50
Material	891 14
	<u>\$1,571 64</u>

Regular expenses:

Salaries	\$5,422 29
Supplies	379 35
	<u>5,801 64</u>

\$7,373 28

Charlestown bridge (from Boston to Charlestown).

Repaired sheathing in various places, electrical apparatus and concrete sidewalk, also reset buoys.

Labor	\$674 61
Material	950 10
	<u>\$1,624 71</u>

Carried forward \$1,624 71 \$7,373 28

<i>Brought forward</i>	.	.	.	\$1,624 71	\$7,373 28
Regular expenses :					
Salaries	.	.	.	\$7,077 60	
Supplies	.	.	.	219 99	
				<u>7,297 59</u>	8,922 30

Chelsea bridge [North] (over North channel,
Mystic river).

Patched sheathing, repaired foundation under
sprocket wheel, iron fence, and machinery, reset
buoy, and painted new draw :

Labor	.	.	.	\$725 86	
Material	.	.	.	748 02	
				<u>\$1,473 88</u>	

Regular expenses :					
Salaries	.	.	.	\$4,849 73	
Supplies	.	.	.	214 46	
				<u>5,064 19</u>	6,538 07

Chelsea bridge [South] (over South channel,
Mystic river).

Patched sheathing, repaired sidewalk, engine,
machinery and water-pipes, and painted draw-
house.

Labor	.	.	.	\$393 75	
Material	.	.	.	478 71	
				<u>\$872 46</u>	

Regular expenses :					
Salaries	.	.	.	\$4,667 48	
Supplies	.	.	.	289 57	
				<u>4,957 05</u>	5,829 51

Chelsea-street bridge (from East Boston to
Chelsea).

Sheathed draw, made general repairs, and painted
rail on draw.

Labor	.	.	.	\$69 25	
Material	.	.	.	153 07	
				<u>\$222 32</u>	

Regular expenses :					
Salary	.	.	.	\$299 00	
Supplies	.	.	.	25 60	
				<u>324 60</u>	546 92

Carried forward \$29,210 08

Brought forward \$29,210 08

Commercial Point or Tenean bridge (Dorchester).

Sheathed draw, patched sheathing, put on new flaps, and painted draw.

Labor	.	.	.	.	\$93 75
Material	.	.	.	.	51 97
				————	\$145 72

Regular expenses :

Salary	.	.	.	.	50 00	
					————	195 72

Congress-street bridge (over Fort Point channel).

Sheathed the draw three times, patched the same various times, made general repairs, repaired machinery, engines, and built shelter houses and painted same.

Labor	.	.	.	.	\$1,485 44
Material	.	.	.	.	1,711 22
				————	\$3,196 66

Regular expenses :

Salaries	.	.	.	.	\$5,452 98	
Supplies	.	.	.	.	722 55	
				————	6,175 53	
					————	9,372 19

Dover-street bridge (over Fort Point channel).

Sheathed the draw, patched same, new sidewalk on draw, put in oak headers, repaired machinery and electrical apparatus, reset buoy, and painted ironwork.

Labor	.	.	.	.	\$912 36
Material	.	.	.	.	833 76
				————	\$1,746 12

Regular expenses :

Salaries	.	.	.	.	\$5,279 57	
Supplies	.	.	.	.	58 03	
				————	5,337 60	
					————	7,083 72

Federal-street bridge (over Fort Point channel).

Repaired water-way, sheathed draw twice, new sidewalk, repaired cap on pier, gear wheel, water-pipes and machinery, and reset buoy.

Labor	.	.	.	.	\$362 74
Material	.	.	.	.	651 69
				————	\$1,014 43

<i>Carried forward</i>	.	.	.	.	\$1,014 43	\$45,861 71
------------------------	---	---	---	---	------------	-------------

<i>Brought forward</i>	.	.	.	\$1,014 43	\$45,861 71
Regular expenses :					
Salaries	.	.	.	\$4,703 50	
Supplies	.	.	.	112 46	
				<u>4,815 96</u>	

5,830 39

Granite bridge (from Dorchester to Milton).

Repaired and painted fence.

Labor	.	.	.	\$45 50	
Material	.	.	.	5 57	
				<u>\$51 07</u>	

Regular expenses :

Salary	.	.	.	239 20	
				<u>290 27</u>	

290 27

L-street bridge (over reserved channel at junction of Congress and L streets).

Patched sheathing, sheathed the draw, put in oak headers, repaired fence, boat, engine and machinery, reset buoy, and painted draw-house.

Labor	.	.	.	\$291 06	
Material	.	.	.	416 75	
				<u>\$707 81</u>	

Regular expenses :

Salaries	.	.	.	\$4,203 86	
Supplies	.	.	.	406 68	
				<u>4,610 54</u>	

5,318 35

Malden bridge (from Charlestown to Everett).

Patched sheathing several times and built new sidewalk.

Labor	.	.	.	\$390 12	
Material	.	.	.	58 04	
				<u>\$448 16</u>	

Regular expenses :

Salaries	.	.	.	\$3,648 21	
Supplies	.	.	.	63 40	
				<u>3,711 61</u>	

4,159 77

Meridian-street bridge (from East Boston to Chelsea).

Patched deck and sheathing on draw and deck on pier, calked deck over motor, repaired electrical apparatus and machinery, and reset buoys.

Labor	.	.	.	\$539 11	
Material	.	.	.	1,151 10	
				<u>\$1,690 21</u>	

Carried forward . . . \$1,690 21 \$61,460 49

<i>Brought forward</i>	.	.	.	\$1,690 21	\$61,460 49
Regular expenses :					
Salaries	.	.	.	\$3,784 07	
Supplies	.	.	.	291 15	
				4,075 22	
					5,765 43
Mt. Washington-avenue bridge (over Fort Point channel).					
Patched deck and sheathing several times, repaired water-way, latch, wheel-guard, machinery, and built new chimney in draw-house.					
Labor	.	.	.	\$570 90	
Material	.	.	.	354 64	
				\$925 54	
Regular expenses :					
Salaries	.	.	.	\$3,758 17	
Supplies	.	.	.	168 69	
				3,926 86	
					4,852 40
Neponset bridge (from Dorchester to Quincy).					
Sheathed draw, put in new headers, repaired box-cover, boat, wheel-guard, and painted fence and iron girder on draw.					
Labor	.	.	.	\$259 00	
Material	.	.	.	224 04	
				\$483 04	
Regular expenses :					
Salary	.	.	.	\$398 84	
Supplies	.	.	.	1 19	
				400 03	
					883 07
North Beacon-street bridge (from Brighton to Watertown).					
Patched deck and sheathing three times.					
Labor	.	.	.	\$35 00	
Material	.	.	.	75 44	
				\$110 44	
Regular expenses :					
Salary	.	.	.	99 84	
					210 28
Summer-street bridge (over Fort Point channel).					
Patched sheathing, repaired latch, track, cap on pier, machinery, iron fence, cable and chimney, and built two shelter houses.					
Labor	.	.	.	\$330 26	
Material	.	.	.	1,294 30	
				\$1,624 56	
<i>Carried forward</i>	.	.	.	\$1,624 56	\$73,171 67

<i>Brought forward</i>	.	.	.	\$1,624 56	\$73,171 67
Regular expenses :					
Salaries	.	.	.	\$4,534 85	
Supplies	.	.	.	651 19	
				<u>5,186 04</u>	6,810 60

Warren bridge (from Boston to Charlestown).

Sheathed draw twice, patched sheathing, repaired stable, fence, float, sidewalk, engines, machinery, trucks and water-pipes, and painted fence.

Labor	.	.	.	\$1,906 61	
Material	.	.	.	2,125 10	
				<u>\$4,031 71</u>	

Regular expenses :					
Salaries	.	.	.	\$5,299 57	
Supplies	.	.	.	740 16	
				<u>6,039 73</u>	10,071 44

Western-avenue bridge (from Brighton to Watertown).

Patched sheathing and sidewalk, new bunter, repaired boat and latches.

Labor	.	.	.	\$60 25	
Material	.	.	.	46 02	
				<u>\$106 27</u>	

Regular expenses :					
Salary	.	.	.	\$167 84	
Supplies	.	.	.	6 44	
				<u>174 28</u>	280 55

Winthrop bridge (from Breed's Island to Winthrop).

Sheathed bridge, and repaired sidewalk and sheathing.

Labor	.	.	.	\$138 50	
Material	.	.	.	371 84	
				<u>\$510 34</u>	

Regular expenses :					
Salary	.	.	.	\$150 00	
Supplies	.	.	.	2 50	
				<u>152 50</u>	662 84

Sundry Expenditures on tide-water bridges.

Oak lumber for headers and other material	.	.	.	\$585 99	
				<u>\$585 99</u>	\$90,997 10
<i>Carried forward</i>	.	.	.		

<i>Brought forward</i>	.	.	.	\$585 99	\$90,997 10
Regular expenses :					
Salary	.	.	.	\$78 89	
Supplies	.	.	.	535 59	
				614 48	
					1,200 47

Public Landings.

East Boston :

Regular expenses :

Rent	.	.	.	.	\$250 00	
Care	.	.	.	.	25 00	
					\$275 00	

Jeffries Point :

Labor	.	.	.	.	\$16 00	
Regular expenses :						
Rent	.	.	.	.	300 00	
					316 00	
						591 00

Total expended on tide-water bridges . . . \$92,788 57

RECAPITULATION.

*Table showing Expenditures on the Tide-water Bridges,
February 1, 1900, to January 31, 1901.*

NAME OF BRIDGE.	Repairs, Labor, Lumber, Iron- work, and Painting.	Regular Ex- penses, Salaries, Fuel, and Supplies.	Total.
Broadway.....	\$1,571 64	\$5,801 64	\$7,373 28
Charlestown	1,624 71	7,297 59	8,922 30
Chelsea (North).....	1,473 88	5,064 19	6,538 07
Chelsea (South).....	872 46	4,957 05	5,829 51
Chelsea street.....	222 32	324 60	546 92
Commercial Point.....	145 72	50 00	195 72
Congress street.....	3,196 66	6,175 53	9,372 19
Dover street.....	1,746 12	5,337 60	7,083 72
Federal street.....	1,014 43	4,815 96	5,830 39
Granite.....	51 07	239 20	290 27
L street.....	707 81	4,610 54	5,318 35
Malden.....	448 16	3,711 61	4,159 77
Meridian street.....	1,690 21	4,075 22	5,765 43
Mt. Washington avenue	925 54	3,926 86	4,852 40
Neponset.....	483 04	400 03	883 07
North Beacon street.....	110 44	99 84	210 28
Summer street.....	1,624 56	5,186 04	6,810 60
Warren.....	4,031 71	6,039 73	10,071 44
Western avenue to Watertown.	106 27	174 28	280 55
Winthrop	510 34	152 50	662 84
Sundry expenditures.....	585 99	614 48	1,200 47
Public landings.....	16 00	575 00	591 00
Totals	\$23,159 08	\$69,629 49	\$92,788 57

INLAND BRIDGES.

Albany-street bridge (over Boston & Albany Railroad).

Sheathed twice, patched sheathing and sidewalk,
and painted top and underside of bridge.

Labor	.	.	.	.	.	.	\$599 75	
Material	.	.	.	.	.	.	414 31	
								\$1,014 06

Allston bridge (over Boston & Albany Railroad at Cambridge street).

New deck and new sheathing laid, patched sheath-
ing, and painted beams.

Labor	.	.	.	.	.	.	\$1,849 50	
Material	.	.	.	.	.	.	1,394 88	
								3,244 38

Ashland-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).

Repaired and painted fence.

Labor	.	.	.	.	.	.	\$91 25	
Material	.	.	.	.	.	.	18 32	
								109 57

Ashmont bridge (over New York, New Haven & Hartford Railroad, Shawmut Branch, Plymouth Division).

Patched sheathing.

Labor	.	.	.	.	.	.	\$7 50	
Material	.	.	.	.	.	.	63	
								8 13

Athens-street bridge (over New York, New Haven & Hartford Railroad, Midland Division).

Patched sheathing and sidewalk.

Labor	.	.	.	.	.	.	\$39 00	
Material	.	.	.	.	.	.	3 25	
								42 25

Beacon-street bridge (over Boston & Albany Railroad).

Sheathed and patched sheathing.

Labor	.	.	.	.	.	.	\$73 50	
Material	.	.	.	.	.	.	292 56	
								366 06

<i>Carried forward</i>	.	.	.	.	.	.		\$4,784 45
------------------------	---	---	---	---	---	---	-------	------------

<i>Brought forward</i>						\$4,784 45
Beacon-street bridge (over water-way).						
Sheathed and patched sidewalk.						
Labor	.	.	.	.	.	\$43 50
Material	.	.	.	.	.	140 16
						183 66
Beech-street culvert (at Central Station, West Roxbury).						
Patched deck and sheathing.						
Labor	.	.	.	.	.	\$21 75
Material	.	.	.	.	.	1 81
						23 56
Berkeley-street bridge (over Boston & Albany Railroad).						
Patched deck and sheathing three times, and painted ironwork on top.						
Labor	.	.	.	.	.	\$142 25
Material	.	.	.	.	.	66 38
						208 63
Berkeley-street bridge (over New York, New Haven & Hartford Railroad, Providence Division, old location).						
Patched deck and sheathing and repaired concrete walk.						
Labor	.	.	.	.	.	\$109 50
Material	.	.	.	.	.	162 62
						272 12
Blakemore-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).						
New deck, sheathed entire, and painted iron beams and top.						
Labor	.	.	.	.	.	\$423 75
Material	.	.	.	.	.	426 69
						850 44
Boylston-street bridge (over Boston & Albany Railroad).						
Sheathed, new sidewalk, cleaned and painted iron beams.						
Labor	.	.	.	.	.	\$387 00
Material	.	.	.	.	.	641 96
						1,028 96
Broadway-bridge (over Boston & Albany Railroad).						
Put in deck, sheathed and repaired fence.						
Labor	.	.	.	.	.	\$122 25
Material	.	.	.	.	.	10 19
						132 44
<i>Carried forward</i>	.	.	.	.	.	\$7,484 26

<i>Brought forward</i>						\$7,484 26	
Brookline-avenue bridge (over Boston & Albany Railroad).							
Repaired fence and painted ironwork.							
Labor	.	.	.	.	.	\$151 00	
Material	.	.	.	.	.	116 41	
							267 41
Byron-street bridge (over Boston, Revere Beach & Lynn Railroad).							
Sheathed the bridge.							
Labor	.	.	.	.	.	\$18 00	
Material	.	.	.	.	.	92 04	
							110 04
Columbus-avenue bridge (over Boston & Albany Railroad).							
Sheathed and painted ends of girders.							
Labor	.	.	.	.	.	\$41 25	
Material	.	.	.	.	.	110 63	
							151 88
Cornwall-street bridge (over Stony brook).							
New sidewalk.							
Labor	.	.	.	.	.	\$12 50	
Material	.	.	.	.	.	60 14	
							72 64
Cottage Farm bridge (over Boston & Albany Railroad at Commonwealth avenue).							
Painted iron fence.							
Labor	.	.	.	.	.	\$55 00	
Material	.	.	.	.	.	7 00	
							62 00
Cottage-street [foot] bridge (over flats East Boston).							
Bridge tender	.	.	.	.	.	\$728 00	
Supplies	.	.	.	.	.	28 96	
							756 96
Dartmouth-street bridge (over Boston & Albany Railroad).							
Put in new floor timbers, patched deck, sheathed, new sidewalk in part, cleaned and painted entire bridge.							
Labor	.	.	.	.	.	\$1,058 75	
Material	.	.	.	.	.	650 68	
							1,709 43
<i>Carried forward</i>	.	.	.	.	.	\$10,614 62	

<i>Brought forward</i>						\$10,614 62
Dorchester-street bridge	(over New York, New Haven & Hartford Railroad, Plymouth Division).					
Patched sheathing.						
Labor	.	.	.	.	.	\$2 50
Material	.	.	.	.	.	61 78
						64 28
Everett-street bridge	(over Boston & Albany Railroad, Brighton).					
Patched sheathing twice.						
Labor	.	.	.	.	.	\$45 50
Material	.	.	.	.	.	136 28
						181 78
Ferdinand-street bridge	(over Boston & Albany Railroad).					
Patched sheathing, repaired sidewalk and fence, painted fence and sheathed.						
Labor	.	.	.	.	.	\$71 00
Material	.	.	.	.	.	8 96
						79 96
Florence-street bridge	(over Stony brook).					
Repaired sheathing.						
Labor	.	.	.	.	.	\$15 25
Material	.	.	.	.	.	60 04
						75 29
Gold-street bridge	(over New York, New Haven & Hartford Railroad, Midland Division).					
Sheathed the bridge.						
Labor	.	.	.	.	.	\$114 00
Material	.	.	.	.	.	29 71
						143 71
Huntington-avenue bridge	(over Boston & Albany Railroad).					
Sheathed, also patched sheathing.						
Labor	.	.	.	.	.	\$58 25
Material	.	.	.	.	.	378 27
						436 52
Irvington-street [foot] bridge	(over New York, New Haven & Hartford Railroad, Providence Division).					
Patched platform.						
Labor	.	.	.	.	.	\$8 00
Material	.	.	.	.	.	76
						8 76
<i>Carried forward</i>	.	.	.	.	.	\$11,604 92

<i>Brought forward</i>						\$11,604 92	
Keyes-street bridge (over Stony brook).							
Repaired fence.							
Labor	.	.	.	.	.		1 25
Lehigh-street fence (under Broadway bridge).							
Repaired fence four times.							
Labor	.	.	.	.	.	\$43 75	
Material	.	.	.	.	.	19 15	
							62 90
Linden Park-street bridge (over Stony brook).							
Sheathed, repaired supports, and patched sheathing.							
Labor	.	.	.	.	.	\$67 75	
Material	.	.	.	.	.	55 50	
							123 25
Massachusetts-avenue bridge (over Boston & Albany Railroad).							
New deck in part, sheathed the bridge entire, patched deck and sheathing, scraped and painted iron beams and fence.							
Labor	.	.	.	.	.	\$476 25	
Material	.	.	.	.	.	532 87	
							1,009 12
Massachusetts-avenue bridge (over New York, New Haven & Hartford Railroad, Providence Division).							
Sheathed the bridge entire, and built new sidewalk on north-easterly side.							
Labor	.	.	.	.	.	\$138 25	
Material	.	.	.	.	.	230 81	
							369 06
Mattapan bridge (from Dorchester to Milton).							
New stringers, deck, sheathing, and sidewalk.							
Labor	.	.	.	.	.	\$245 75	
Material	.	.	.	.	.	523 93	
							769 68
NOTE. — One-half of this amount was paid by Metropolitan Park Commission, they paying as an offset, bill for lumber used on Swett street.							
Milton bridge (from Dorchester to Milton).							
New sidewalk, old one repaired twice.							
Labor	.	.	.	.	.	\$59 25	
Material	.	.	.	.	.	25 66	
							84 91
<i>Carried forward</i>	.	.	.	.	.	\$14,025 09	

<i>Brought forward</i>			\$14,025 09
Shawmut-avenue bridge (over Boston & Albany and New York, New Haven & Hartford Railroad, Providence Division).			
Sheathed and repaired old sheathing.			
Labor	.	.	\$52 00
Material	.	.	104 45
			156 45
Swett-street bridge (east of New York, New Haven & Hartford Railroad, Midland Division).			
Patched sheathing, put in new deck, sheathed, repaired foundations, and painted fence.			
Labor	.	.	\$1,028 00
Material	.	.	803 70
			1,831 70
NOTE. — Lumber to the amount of \$388.50 used, not included in the above, was paid for by Metropolitan Park Commission as an offset to work done on Mattapan bridge.			
West Fourth-street bridge (over New York, New Haven & Hartford Railroad, Plymouth Division).			
Patched deck and sheathing under nine different orders, sheathed and put in new sidewalk in part.			
Labor	.	.	\$767 38
Material	.	.	1,674 75
			2,442 13
West Newton-street bridge (over New York, New Haven & Hartford Railroad, Providence Division).			
Patched deck and sheathing three times, sheathed north-easterly roadway, and painted fence.			
Labor	.	.	78 50
Material	.	.	72 07
			150 57
West Rutland-square [foot] bridge (over New York, New Haven & Hartford Railroad, Providence Division).			
Built new sand-box.			
Labor	.	.	\$11 50
Material	.	.	1 09
			12 59
Williams-street bridge (over Stony brook), and culvert at the brook.			
Patched deck and sheathing on both.			
Labor	.	.	\$42 25
Material	.	.	204 67
			246 92
<i>Carried forward</i>	.	.	\$18,865 45

Brought forward \$18,865 45

Sundry expenditures on inland bridges.

Cleaning, removing snow, and small repairs.

Labor \$963 88

Material 313 81

————— 1,277 69

Total expended on inland bridges . . \$20,143 14

RECAPITULATION.

*Table showing Expenditures on the Inland Bridges, from
February 1, 1900, to January 31, 1901.*

Name of Bridge.	Repairs, Labor, Lumber, Ironwork, and Painting.
Albany street	\$1,014 06
Allston	3,244 38
Ashland street	109 57
Ashmont	8 13
Athens street	42 25
Beacon street (over B. & A. Railroad)	366 06
Beacon street (over water-way)	183 66
Beech street (culvert)	23 56
Berkeley street (over B. & A. Railroad)	208 63
Berkeley street (over N. Y., N. H. & H. R.R., Providence Division, old location)	272 12
Blakemore street	850 44
Boylston street (over B. & A. Railroad)	1,028 96
Broadway (over B. & A. Railroad)	132 44
Brookline avenue	267 41
Byron street	110 04
Columbus avenue	151 88
Cornwall street	72 64
Cottage Farm	62 00
Cottage street	756 96
Dartmouth street	1,709 43
Dorchester street	64 28
Everett street	181 78
Ferdinand street	79 96
Florence street	75 29
Gold street	143 71
Huntington avenue	436 52
Irvington street	8 76
Keyes street	1 25
Lehigh street (fence)	62 90
Linden Park street	123 25
Massachusetts avenue (over B. & A. Railroad)	1,009 12
Massachusetts avenue (over N. Y., N. H. & H. R.R., Providence Division)	369 06
Mattapan	769 68
Milton	84 91
Shawmut avenue	156 45
Swett street (east)	1,831 70
West Fourth street	2,442 13
West Newton street	150 57
West Rutland square	12 59
Williams street	246 92
Sundry expenditures	1,277 69
Total	<u>\$20,143 14</u>

MAINTENANCE EXPENSES AT NORTH AND SOUTH YARDS.

NORTH YARD, DISTRICT NO. 1.

Warren Bridge.

Messenger and watchmen	\$2,130 51	
Tools	90 93	
Supplies	177 99	
Repairing building	181 38	
		\$2,580 81

STABLE, DISTRICT NO. 1.

Warren Bridge.

Teamster and hostler	\$1,732 00	
Harness, feed, and supplies	618 89	
		2,350 89

Total expended, North Yard and Stable \$4,931 70

SOUTH YARD, DISTRICT NO. 2.

No. 45 Foundry Street.

Messenger, watchmen, and yardman	\$3,230 29	
Labor in yard	270 75	
Tools	180 42	
Supplies	292 44	
		\$3,973 90

STABLE, DISTRICT NO. 2.

323 West Fourth Street.

Teamster and driver	\$1,556 13	
Board of horses	1,610 18	
Repairing vehicles, horse-shoeing, feed, harness, and supplies	1,579 31	
		4,745 62

Total expended, South Yard and Stable \$8,719 52

SPECIAL APPROPRIATIONS.

IN CHARGE OF BRIDGE DIVISION.

Congress-street bridge, reconstruction (over Fort Point channel).

Repairing pier and resetting spurshores,	\$825 00
Repairing machinery, and ironwork .	345 89
Lumber and hardware for draw and shelter-houses	483 48
Paving roadway	380 00
Labor on shelter-house No. 1	290 00

Amount expended January 31, 1901	\$2,324 37
Transferred to Street Improvements, Ward 7	1,374 88

Appropriation on hand February 1, 1900 was,	<u>\$3,699 25</u>
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Dover-street bridge, tearing out old work (over Fort Point channel).

Inspector	\$84 00
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Amount expended January 31, 1901	\$84 00
Balance	1,916 00

Appropriation	<u>\$2,000 00</u>
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Harvard-street bridge, reconstruction (over New York, New Haven & Hartford Railroad, Midland Division).

Rent for new sidewalks	\$2 00
Transferred to Street Improvements, Ward 24	2,043 76

Appropriation on hand February 1, 1900, was	<u>\$2,045 76</u>
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Warren bridge, redecking old piers (Boston to Charlestown).

Labor	\$1,059 42
Material	2,940 58

Amount of appropriation	<u>\$4,000 00</u>
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Winthrop bridge (from Breed's Island to Winthrop).

Inspector	\$60 00
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Amount expended January 31, 1901	\$60 00
Balance	940 00

Appropriation	<u>\$1,000 00</u>
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AMOUNTS CHARGED TO SPECIAL APPROPRIATIONS IN CHARGE OF
OTHER DIVISIONS.

Chelsea bridge [North] (over North channel, Mystic river).	
Salary of extra draw-tender	<u>\$304 61</u>
[Charged to Chelsea bridge, widening opening, North draw.]	

AWARDS OF COMMITTEE ON CLAIMS.

N. P. Doane, damage to tug "N. P. Doane"		\$213 00
Tug "Jennie" and others, damage	75 00	
Anthony Q. Martin, personal injuries, ...	50 00	
	<u> </u>	<u>\$338 00</u>

[Charged to Reserve Fund.]

LIST OF BOSTON BRIDGES.

I. — BRIDGES WHOLLY MAINTAINED BY BOSTON.

[In the list those marked with an asterisk (*) are over navigable
waters, and are each provided with a draw.]*In Charge of Bridge Division.*Allston, over Boston & Albany Railroad at Cambridge street,
Brighton.Ashland street, over N. Y., N. H. & H. Railroad, Providence
Division, West Roxbury.Athens street, over N. Y., N. H. & H. Railroad, Midland
Division.

Baker street, at Brook farm, West Roxbury.

Beacon street, over outlet to Back Bay Fens.

Beacon street, over Boston & Albany Railroad.

Berkeley street, over Boston & Albany Railroad.

Berkeley street over N. Y., N. H. & H. Railroad. (Old loca-
tion.)Berwick park (foot-bridge), over N. Y., N. H. & H. Railroad,
Providence Division.Blakemore street, over N. Y., N. H. & H. Railroad, Providence
Division.Bolton street, over N. Y., N. H. & H. Railroad, Midland
Division.

Boylston avenue, over Stony brook, West Roxbury.

Boylston street, over Boston & Albany Railroad.

* Broadway, over Fort Point channel.

- Broadway, over Boston & Albany Railroad.
Brookline avenue, over Boston & Albany Railroad.
Byron street, over Boston, Revere Beach & Lynn Railroad.
* Charlestown, from Boston to Charlestown.
* Chelsea [South] over south channel, Mystic river.
* Chelsea street, from East Boston to Chelsea.
Columbus avenue, over Boston & Albany Railroad.
* Commercial Point, or Tenean, Dorchester.
* Congress street, over Fort Point channel.
Cornwall street, over Stony brook, West Roxbury.
Cottage Farm, over Boston & Albany Railroad, at Commonwealth avenue.
Cottage street (foot-bridge), over flats, East Boston.
Dartmouth street, over Boston & Albany Railroad.
* Dover street, over Fort Point channel.
Elmwood street (private way), over Stony brook, Roxbury.
* Federal street, over Fort Point channel.
Ferdinand street, over Boston & Albany Railroad.
Florence street, over Stony brook, West Roxbury.
Gold street (foot-bridge), over N. Y., N. H. & H. Railroad, Midland Division.
Huntington avenue, over Boston & Albany Railroad.
Hyde Park avenue, over Stony brook, West Roxbury.
Irvington street (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.
Keyes street, over Stony brook, West Roxbury.
* L street, over reserved channel at junction of Congress and L streets.
Leyden street, over Boston, Revere Beach & Lynn Railroad.
Linden Park street, over Stony brook, Roxbury.
* Malden, from Charlestown to Everett.
Massachusetts avenue, over Boston & Albany Railroad.
Massachusetts avenue, over N. Y., N. H. & H. Railroad, Providence Division.
* Meridian street, from East Boston to Chelsea.
* Mount Washington avenue, over Fort Point channel.
Shawmut avenue, over Boston & Albany and N. Y., N. H. & H. Railroad, Providence Division.
Silver street, over N. Y., N. H. & H. Railroad, Midland Division.
Summer street, over A street.
Summer street, over B street.
Summer street, over C street.
* Summer street, over Fort Point channel.
Swett street, east of N. Y., N. H. & H. Railroad, Midland Division.
Swett street, west of N. Y., N. H. & H. Railroad, Midland Division.
Texas street, over Stony brook, Roxbury.
* Warren, from Boston to Charlestown.

West Newton street, over N. Y., N. H. & H. Railroad, Providence Division.

West Rutland square (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.

Williams street, over Stony brook, West Roxbury.

Winthrop, from Breed's Island to Winthrop.

In Charge of Park Department.

Agassiz, in Back Bay Fens.

Arborway, over Stony brook.

Arborway, Railroad viaduct.

Audubon road, over Boston & Albany Railroad.

Boylston street, in Back Bay Fens.

Bridle path, in the Riverway, over Muddy river.

* Castle Island (foot-bridge) from Marine park, South Boston, to Castle Island.

Chapel Arch, foot-bridge in the Riverway.

Charlesgate, Back Bay Fens, over Boston & Albany Railroad.

Charlesgate [West], over Ipswich street.

Circuit drive, over Scarboro' pond, in Franklin park.

Commonwealth avenue, in Back Bay Fens.

Ellicott arch, in Franklin park.

Fen, Back Bay Fens.

Forest Hills entrance, in Franklin park.

Ipswich street, over Waterway in Fens.

Leverett pond (foot-bridge), in Leverett park.

Neptune road, over Boston, Revere Beach & Lynn Railroad.

Overlook Arch, Franklin park.

Scarboro' pond (foot-bridge), in Franklin park.

Stony brook, Back Bay Fens.

Wood Island Park (foot-bridge), over Boston, Revere Beach & Lynn Railroad.

In Charge of Public Grounds Department.

Public Garden (foot-bridge).

II. — BRIDGES OF WHICH BOSTON MAINTAINS THE PART WITHIN ITS LIMITS.

In Charge of Bridge Division.

Central avenue, from Dorchester to Milton.

* Chelsea [North], from Charlestown to Chelsea.

* Granite, from Dorchester to Milton.

Mattapan, from Dorchester to Milton.

Milton, from Dorchester to Milton.

* Neponset, from Dorchester to Quincy.

* North Beacon street, from Brighton to Watertown.

Spring street, from West Roxbury to Dedham.

* Western avenue, from Brighton to Watertown.

In Charge of Park Department.

Bellevue street, in the Riverway, over Muddy river.
 Brookline avenue, in the Riverway, over Muddy river.
 Chapel, in the Riverway, over Muddy river.
 Longwood avenue, from Roxbury to Brookline.
 Tremont street, in the Riverway, over Muddy river.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST
 OF MAINTENANCE.

In Charge of Bridge Division.

Albany street, over Boston & Albany Railroad.
 Ashmont, junction Dorchester avenue and Talbot avenue, over
 N. Y., N. H. & H. Railroad, Plymouth Division.
 Boston street, over N. Y., N. H. & H. Railroad, Plymouth
 Division.
 Chelsea bridge, over Boston & Maine Railroad.
 Dorchester avenue, over N. Y., N. H. & H. Railroad, Plymouth
 Division.
 Dorchester street, over N. Y., N. H. & H. Railroad, Plymouth
 Division.
 Everett street, over Boston & Albany Railroad, Brighton.
 Harvard street, over N. Y., N. H. & H. Railroad, Midland
 Division.
 Summer street, over N. Y., N. H. & H. Railroad, Midland Divi-
 sion.
 Swett street, over N. Y., N. H. & H. Railroad, Plymouth Divi-
 sion.
 West Fourth street, over N. Y., N. H. & H. Railroad, Plymouth
 Division.

In Charge of Commissioners of Cambridge Bridges.

- * Cambridge street, from Brighton to Cambridge.
- * Canal, from Boston to Cambridge.
- * Essex street, from Brighton to Cambridge.
- * Harvard, from Boston to Cambridge.
- * North Harvard street, from Brighton to Cambridge.
- * Prison Point, from Charlestown to Cambridge.
- * West Boston, from Boston to Cambridge.
- * Western avenue, from Brighton to Cambridge.

IV. — BRIDGES MAINTAINED BY RAILROAD CORPORATIONS.

1st. — Boston & Albany Railroad.

Harrison avenue.
 Market street, Brighton.
 Tremont street.
 Washington street.

2d. — Boston & Maine Railroad, Eastern Division.

Main street.

Mystic avenue.

3d. — Boston & Maine Railroad, Western Division.

Main street.

Mystic avenue.

4th. — Boston, Revere Beach & Lynn Railroad.

Everett street.

5th. — New York, New Haven & Hartford Railroad, Midland Division.

Dorchester avenue.

Morton street, Dorchester.

Norfolk street, Dorchester [North].

Norfolk street, Dorchester [South].

Washington street, Dorchester.

West Broadway.

West Fifth street.

West Fourth street.

West Second street.

West Sixth street.

West Third street.

6th. — New York, New Haven & Hartford Railroad, Plymouth Division.

Adams street.

Freeport street.

Savin Hill avenue.

7th. — New York, New Haven & Hartford Railroad, Providence Division.

Albany street (new part).

Beech street, West Roxbury.

Bellevue street, West Roxbury.

Berkeley street (new part).

Broadway (new part).

Canterbury street, West Roxbury.

Castle street.

Centre and Mt. Vernon streets, West Roxbury.

Chandler street.

Columbus avenue (new part).

Dartmouth street (new part).

Dudley avenue, West Roxbury.

Ferdinand street (new part).

Harrison avenue (new part).
 Park street, West Roxbury.
 Tremont street (new park).
 Washington street (new part).

RECAPITULATION OF BRIDGES.

I. Number wholly maintained by Boston :	
In charge of Bridge Division	59
In charge of Park Department	22
In charge of Public Grounds Department . .	1
	— 82
II. Number of which Boston maintains the part within its limits :	
In charge of Bridge Division	9
In charge of Park Department	5
	— 14
III. Number of which Boston pays a part of the cost of maintenance :	
In charge of Bridge Division	11
In charge of Commissioners of Boston and Cambridge Bridges	8
	— 19
IV. Number maintained by railroad corporations :	
1. Boston & Albany	4
2. Boston & Maine, Eastern Division . .	2
3. Boston & Maine, Western Division . .	2
4. Boston, Revere Beach & Lynn	1
5. New York, New Haven & Hartford, Midland Division	11
6. New York, New Haven & Hartford, Plymouth Division	3
7. New York, New Haven & Hartford, Providence Division	17
	— 40
Total number	<u>155</u>

PUBLIC LANDING-PLACES.

The following public landing-places have been built by the City, and are maintained and controlled by the Street Department :

Charles-river Avenue [Boston side].— Size, 40 × 30. Built in 1901. Moored from City's property.

East Boston, Public Landing.— Size, 18 × 30. Built in 1893. Moored at dock of East Boston Dry Dock Company. Dock and flats leased at \$250 per year.

Federal-street bridge. — Size 20×30 . Built by M. F. Sullivan, October 26, 1892. Moored from City's property.

Jeffries' Point, East Boston. — Size, 20×50 . Moored from Fitzpatrick's Wharf; \$300 per year.

CABLE-HOUSES AND BOXES.

The following is a list of cable-houses and boxes on bridges in charge of this Division :

New England Telephone and Telegraph Company :

- Chelsea [South] bridge, 1 house.
- Congress-street bridge, 2 houses.
- Dover-street bridge, 2 houses or boxes.
- Chelsea [North] bridge, 1 box.
- Chelsea-street bridge, 1 box.
- Malden bridge, 4 boxes.
- Meridian-street bridge, 2 boxes.
- Neponset bridge, 2 boxes on poles.
- Warren bridge, 2 boxes.

American Telephone and Telegraph Company

- Federal-street bridge, 1 house.
- Mt. Washington-avenue bridge, 2 boxes.
- Neponset bridge, 1 box on pole.
- Summer-street bridge, 1 box.

Merchants' Telegraph Company :

- Congress-street bridge, 2 boxes.

Postal Telegraph Cable Company :

- Congress-street bridge, 2 houses.
- Malden bridge, 2 boxes.
- Warren bridge, 2 boxes.

Boston Electric Light Company :

- Congress-street bridge, 2 boxes.

Lynn & Boston Railroad Company :

- Chelsea [North] bridge, 4 boxes.
- Chelsea [South] bridge, 8 boxes.

Boston Elevated Railway Company :

- Cambridge-street bridge, 1 house.
- Dover-street bridge, 1 house, 1 box.
- Federal-street bridge, 2 houses.
- Malden bridge, 2 houses.
- Warren bridge, 2 houses.

Boston Police Department :

- Chelsea [South] bridge, 1 box.
- Malden bridge, 2 boxes.

Boston Fire Department :

- Chelsea [North] bridge, 1 box.
- Dover-street bridge, 1 house, 1 box.
- Meridian-street bridge, 2 boxes.
- Warren bridge, 2 boxes.

LAND AND BUILDINGS, IN CHARGE OF BRIDGE DIVISION.

Broadway Bridge. — Draw-house, engine-room and storehouse.

Land, Broadway and Dorchester avenue, containing 5,516 feet.

Charlestown Bridge. — Draw-house, electrical power-room, and 6 store-houses.

Chelsea [North] Bridge. — Draw-house, storehouse and tool-house.

Chelsea [South] Bridge. — Draw-house, engine-house and tool-house.

Chelsea-street Bridge. — Tool-house.

Congress-street Bridge. — Draw-house, storehouse, tool-house, and 2 shelter-houses:

Dover-street Bridge. — Draw-house, and store-room.

Federal-street Bridge. — Draw-house, tool-house, 2 motor-houses, 1 controller-house.

L-street Bridge. — Draw-house, engine-house.

Malden Bridge. — Draw-house and tool-house.

Meridian-street Bridge. — Draw-house, tool-house and store-house.

Mt. Washington-avenue Bridge. — Draw-house and tool-house.

Neponset Bridge. — Tool-house.

Summer-street Bridge. — Draw-house, controller-house, 2 shelter-houses.

Warren Bridge. — Stable, draw-house, engine-house, boiler-house, tool-house.

Western-avenue Bridge to Watertown. — Tool-house.

List of Small Bridges or Culverts having Wooden Tops, which are repaired by Bridge Division.— Walls Repaired and Openings Cleaned by Sewer Division.

LOCATION.	Span.	Height of Opening.	Length.	Side-walls.	Covering.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>		
Ashland street and Canterbury, near Calvary Cemetery, West Roxbury.	7.6	5.5	75	Stone	Wood
Beach street, near Anawan avenue, at Central station, West Roxbury.	4.0	4.0	50	Stone	Wood
Cass street, near Spring-street Station, West Roxbury.....	7.0	3.0	21	Stone	Wood
Cohasset street, Roslindale	14.0	7.5	60	Stone	Wood
Gardner street, near Cow Island, West Roxbury.....	5.0	5.5	33	Wood	Wood
Jamaica street, Jamaica Plain	10.0	4.0	39	Stone	Wood
Park street, west of Dorchester avenue, Dorchester.....	5.0	3.7	50	Stone	Wood
Park street, west of N.Y., N.H. & H. Railroad, Dorchester.....	8.5	5.0	50	Stone	Wood
Spring street, near Spring-street Station, West Roxbury.....	2.7	2.7	63	Stone	Wood
Summer street, near Spring-street Station, West Roxbury.....	4.0	4.5	40	Stone	Wood
Williams street, at Stony brook, West Roxbury.....	5.0	5.0	50	Wood	Wood
Woodman street, Jamaica Plain.....	6.3	4.0	65	Stone	Wood

Table showing Width of Bridges, kind of Roadways, Sidewalks, etc., on Tide-water Bridges, 1900.

NAME OF BRIDGE.	Width of Bridge.	ROADWAY.		SIDEWALKS.		
		Width.	Kind of Roadway.	No.	Width.	Kind of Walks.
	<i>Ft. In.</i>	<i>Ft. In.</i>			<i>Ft. In.</i>	
Broadway	60 0	40 0	Plank	2	10 0	Coal-tar concrete.
Cambridge-street	40 0	32 9	"	1	6 0	Plank.
Canal	64 0	48 0	Paved	2	8 0	Brick.
Charlestown	100 0	$\left\{ \begin{array}{l} 1\ 27\ 9 \\ 1\ 22\ 0 \\ 1\ 27\ 9 \end{array} \right\}$	"	2	10 0	Asphalt.
Chelsea, North.....	49 0	40 0	"	1	8 0	Coal-tar concrete and plank.
" South.....	50 3	41 2	"	1	8 0	Plank.
" street.....	30 0	23 2	Plank	1	6 0	"
Commercial point.....	about 34 0	about 27 0	"	0		
Congress street	60 0	44 0	Paved.....	2	8 0	Coal-tar concrete.
Dover st. (over water)	60 0	40 0	"	2	10 0	Asphalt.
Essex street.....	31 0	22 8	Plank	1	7 6	Plank.
Federal street.....	69 0	49 0	Paved	2	10 0	Asphalt.
Granite	30 2	24 4	Plank	1	5 0	Plank.
Harvard	69 4	51 0	"	2	9 2	Asphalt.
L street	60 0	44 0	Paved	2	8 0	"
Malden	40 0	32 0	"	1	7 0	Coal-tar concrete.
Meridian street	50 0	36 0	"	2	7 0	" "
Mt. Washington ave...	61 0	39 6	"	2	10 9	" "
Neponset	30 0	23 10	Plank	1	5 5	Plank.
North Beacon street ..	31 0	25 2	"	1	5 0	"
North Harvard street	28 2	26 7	"	0		
Prison Point.....	50 0	36 0	$\left\{ \begin{array}{l} \text{Plank part} \\ \text{Paved part} \end{array} \right\}$	2	7 0	Coal-tar concrete.
Summer street	100 0	76 0	" entire..	2	12 0	Asphalt.
Warren	80 0	60 0	Paved.....	2	10 0	Coal-tar concrete.
Western avenue to Cambridge.....	33 2	26 3	Plank	1	6 0	Plank.
Western avenue to Watertown	33 0	24 2	"	1	8 0	"
Winthrop	24 2	19 10	"	1	3 7	"
West Boston.....	50 0	36 0	Paved.....	2	7 0	Brick.

Table showing the Widths of Openings for Vessels in all Bridges provided with Draws in the City of Boston, 1900.

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Boston & Maine R.R., Eastern Division	Boston to Charlestown	1	39 feet 7 inches
Boston & Maine R.R., Eastern Division	Over Miller's river	1	35 " 6 "
Boston & Maine R.R., Fitchburg Division.....	Boston to Charlestown	1	36 " 0 "
Boston & Maine R.R., Fitchburg Division (for teaming freight),	" "	1	36 " 0 "
Boston & Maine R.R. (freight), Southern Division	Boston to East Cambridge, ..	1	40 " 2 "
Boston & Maine R.R. (passenger), Southern Division	" "	1	39 " 7 "
Boston & Maine R.R., Western Division	Boston to Charlestown	1	39 " 7 "
Boston & Maine R.R., Western Division	Over Miller's river.....	1	35 " 10 "
Broadway	Over Fort Point channel ..	1	43 " 6 "
Cambridge street	Brighton to Cambridge....	1	36 " 4 "
Canal (or Craigie's)	Boston to East Cambridge, ..	1	36 " 0 "
Charlestown (main channel).....	Boston to Charlestown....	2	50 " 0 "
Charlestown (north channel).....	" "	..	50 " 0 "
Chelsea (south channel).....	Charlestown to Chelsea....	1	38 " 9 "
Chelsea (north channel)	" "	1	60 " 0 "
Chelsea street (East Boston side),	East Boston to Chelsea....	2	36 " 0 "
Chelsea street (Chelsea side).....	" "	..	36 " 0 "
Commercial Point (or Tenean)...	Dorchester.....	1	24 " 2 "
Congress street (Boston side)....	Over Fort Point channel..	2	43 " 3 "
Congress st. (South Boston side),	" " " ..	..	43 " 9 "
Dover street	" " " ..	1	37 " 0 "
Essex street	Brighton to Cambridge....	1	35 " 9 "
Federal street.....	Over Fort Point channel..	1	41 " 10 "
Grand Junction R.R.....	Brighton to Cambridge....	1	35 " 9 "
Grand Junction R.R.....	East Boston to Chelsea....	1	49 " 6 "
Granite	Dorchester to Milton	1	36 " 0 "
Harvard (Boston side).....	Boston to Cambridge.....	2	36 " 6 "
Harvard (Cambridge side).....	" "	..	36 " 10 "
L street	Over Reserved channel, South Boston	1	40 " 0 "

Table showing Width of Openings, etc.— *Concluded.*

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Malden.....	Charlestown to Everett....	1	44 feet 9 inches.
Meridian st. (East Boston side)...	East Boston to Chelsea	2	59 " 2 "
" (Chelsea side).....	" "	..	59 " 0 "
Mt. Washington avenue (Boston side).....	Over Fort Point channel...	2	42 " 2 "
Mt. Washington avenue (South Boston side).....	" "	..	43 " 9 "
Neponset.....	Dorchester to Quincy.....	1	36 " 0 "
New York, New Haven & Hart- ford R.R.....	Over South bay.....	1	28 " 4 "
New York, New Haven & Hart- ford R.R., Y connection.....	Over Fort Point channel...	..	41 " 10 "
New York, New Haven & Hart- ford R.R.....	Over Fort Point channel...	1	41 " 8 "
New York, New Haven & Hart- ford R.R.....	Dorchester to Quincy.....	1	35 " 10 "
North Beacon street.....	Brighton to Watertown....	1	30 " 0 "
North Harvard street.....	Brighton to Cambridge....	1	36 " 0 "
Prison Point.....	Charlestown to Cambridge	1	36 " 0 "
Summer street	Over Fort Point channel...	1	50 " 0 "
Warren.....	Boston to Charlestown....	1	36 " 0 "
West Boston.....	Boston to Cambridge	1	36 " 0 "
Western avenue.....	Brighton to Cambridge....	1	36 " 0 "
" 	Brighton to Watertown....	1	35 " 10 "

DRAW-TENDERS' REPORTS.*

Giving Number of Vessels passing through Drawbridges Controlled by the City of Boston from February 1, 1900, to January 31, 1901.

BRIDGE.	STEAMERS.		SAILING VESSELS.		TUGS.		ALL OTHERS.		TOTAL NUMBER OF VESSELS.		Total number of Cargoes.	Total Number of Openings.					
	By Day.	By Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.								
Broadway	8	.....	8	1,278	352	1,630	3,355	511	3,866	1,612	301	1,913	6,253	1,164	7,417	1,663	3,749
Charlestown	79	14	93	1,258	309	1,567	3,856	690	4,546	1,932	401	2,333	7,125	1,414	8,539	1,917	3,767
Chelsea (North)	433	75	508	766	134	900	7,849	1,562	9,411	3,341	794	4,135	12,389	2,565	14,954	2,588	8,888
Chelsea (South)	35	5	40	988	59	1,047	3,194	175	3,369	1,472	49	1,521	5,689	288	5,977	1,446	4,361
Chelsea street	1	.....	1	19	3	22	127	5	132	73	2	75	220	10	230	33	162
Congress street	79	12	91	1,561	355	1,916	6,286	977	7,263	2,668	421	3,089	10,594	1,765	12,359	2,049	6,825
Dover street	5	1	6	1,114	374	1,488	2,665	640	3,305	1,238	323	1,561	5,022	1,338	6,360	1,651	4,044
Federal street	9	1	10	1,256	403	1,659	3,406	627	4,033	1,528	347	1,875	6,199	1,378	7,577	1,821	5,082
Granite .....	.....	.....	.....	28	.....	28	234	1	235	92	.....	92	354	1	355	51	206
L street .....	.....	.....	.....	295	77	372	1,877	265	2,142	1,747	363	2,110	3,919	705	4,624	560	3,297
Malden	4	.....	4	287	25	312	1,842	256	2,098	899	127	1,026	3,032	408	3,440	622	1,980
Meridian	55	13	68	455	32	487	5,356	1,093	6,449	2,652	509	3,161	8,518	1,647	10,165	1,830	6,273
Mt. Washington avenue	52	7	59	1,392	325	1,717	5,404	751	6,155	2,446	399	2,845	9,294	1,482	10,776	2,323	5,936
Neponset .....	.....	.....	.....	26	.....	26	212	2	214	127	1	128	365	3	368	52	209
No. Beacon street .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Summer street	80	11	91	1,531	324	1,855	6,283	877	7,160	2,600	418	3,018	10,494	1,630	12,124	2,162	6,857
Warren	12	.....	12	1,197	357	1,554	3,437	647	4,084	1,867	457	2,324	6,513	1,461	7,974	1,838	4,927
Western avenue to Watertown .....	.....	.....	.....	4	.....	4	146	76	222	51	3	54	201	79	280	39	226
Totals	852	139	991	13,455	3,129	16,584	55,529	9,155	64,684	26,345	4,915	31,260	96,181	17,338	113,519	22,645	70,789

* West Boston, Cambridge street, Essex street, North Harvard street, Western avenue to Cambridge, Prison Point, Canal (or Craigie's) and Harvard Bridges are not included in this table, being in the care of Commissioners representing the two cities (Boston and Cambridge) connected by these bridges.

DRAW-TENDERS' REPORTS.*

Number of Vessels passing through Drawbridges controlled by the City of Boston, from Feb. 1, 1896, to Feb. 1, 1901.

NAME OF BRIDGE.	STEAMERS.					SAILING VESSELS.					TUGS.					ALL OTHERS.					TOTAL NUMBER OF VESSELS.					TOTALS Feb 1, 1896, to Feb. 1, 1901.
	1896.	1897.	1898.	1899.	1900.	1896.	1897.	1898.	1899.	1900.	1896.	1897.	1898.	1899.	1900.	1896.	1897.	1898.	1899.	1900.	1896.	1897.	1898.	1899.	1900.	
Broadway.....	22	8	13	4	8	3,082	2,995	2,403	2,309	1,630	2,358	3,507	3,035	3,954	3,866	890	1,209	1,236	1,783	1,913	6,352	7,719	6,687	8,050	7,417	36,225
Charles River.....	39	48	34	55	...	2,857	2,576	2,011	1,768	...	4,121	4,257	4,753	3,769	...	2,534	2,926	2,912	2,101	...	9,551	9,807	9,710	7,693	...	36,761
Charlestown.....	159	93	99	245	508	1,169	978	1,243	950	1,567	...	...	7,892	6,986	4,546	...	...	...	...	2,333	...	...	...	...	8,539	
Chelsea, North.....	39	46	39	8	40	1,260	1,345	1,197	1,050	1,047	2,748	3,373	3,200	3,322	3,369	2,229	2,799	4,748	3,123	4,135	7,930	9,056	13,982	11,304	14,954	
Chelsea, South.....	6	...	...	...	1	30	19	12	8	22	163	138	119	126	132	105	80	49	69	75	304	237	180	203	230	27,906
Chelsea street.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,154
Commercial Point.	292	113	70	113	91	4,264	4,318	3,421	2,765	1,916	8,347	9,745	8,418	8,185	7,263	3,059	3,541	3,296	3,034	3,089	15,962	17,717	15,205	14,097	12,359	75,340
Congress street....	20	6	10	6	6	2,871	2,813	2,088	2,154	1,488	2,146	3,009	2,494	3,386	3,305	741	975	956	1,408	1,561	5,778	6,803	5,548	6,954	6,360	31,443
Dover street.....	17	6	15	16	10	3,393	3,199	2,549	2,378	1,659	2,941	4,025	3,764	4,177	4,033	1,083	1,226	1,533	1,747	1,875	7,434	8,456	7,861	8,318	7,577	39,646
Federal street.....	...	...	...	...	...	64	58	48	59	28	240	258	239	262	235	55	63	71	65	92	359	379	358	386	355	1,837
Granite.....	18	4	2	...	...	730	673	556	410	372	2,556	2,066	2,200	1,984	2,142	1,128	1,219	1,556	1,600	2,110	4,432	4,314	3,994	3,994	4,624	21,326
L street.....	4	2	2	...	4	352	450	272	254	312	1,384	1,652	1,378	1,487	2,098	961	1,059	935	866	1,026	2,701	3,163	2,587	2,607	3,440	14,498
Malden.....	51	57	58	83	68	653	610	533	497	487	4,391	4,145	5,429	5,668	6,449	1,954	2,464	3,199	3,251	3,161	7,049	7,276	9,219	9,499	10,165	43,208
Meridian street....	88	74	69	83	59	3,700	3,786	2,857	2,486	1,717	5,426	6,443	6,194	6,706	6,155	2,304	2,509	2,655	2,625	2,845	11,518	12,812	11,775	11,900	10,776	58,781
Mt. Wash. avenue.	...	...	...	...	...	66	57	48	68	26	250	254	258	272	214	60	66	79	86	128	376	377	385	426	368	1,932
Neponset.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
No. Beacon street.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Summer street....	...	...	...	...	91	...	...	...	...	1,855	...	...	...	...	7,160	...	...	...	...	3,018	...	...	...	...	...	12,124
Warren.....	42	41	36	32	12	2,320	2,476	1,834	1,834	1,554	3,007	2,981	3,338	3,979	4,084	2,143	1,766	2,071	2,922	2,324	7,512	7,264	7,279	8,067	7,974	38,096
Western avenue to Watertown.....	...	...	...	...	...	36	7	...	...	4	102	108	148	1,305	222	45	58	57	1,523	54	183	205	2,828	280	...	3,669
Totals.....	797	498	447	645	991	26,847	26,360	21,072	18,990	16,584	44,553	51,147	52,859	55,568	64,684	20,205	22,954	26,475	26,778	31,260	92,402	100,959	100,853	101,981	113,519	509,714

* West Boston, Cambridge street, Essex street, North Harvard street, Western avenue to Cambridge, Prison Point, Canal (or Craigie's) and Harvard Bridges are not included in this table, being in care of Commissioners representing the two cities (Boston and Cambridge) connected by these bridges.



FERRY-BOAT "GENERAL SUMNER," SHOWING CABIN.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

APPENDIX B.

REPORT OF THE DEPUTY SUPERINTENDENT OF
THE FERRY DIVISION.

NORTH FERRY, EAST BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets:

DEAR SIR, — I respectfully submit the annual report of the expenditures, income and operation of the Ferry Division, for the financial year ending January 31, 1901, and the amount of property and the condition of the same.

One new propeller boat, the "General Sumner," was built and put into commission September 4, 1900, the total cost of which was \$95,300.

The ferry-boat "Winthrop," having been in service for twenty-seven years, was sold at public auction, October 25, 1900, for \$1,199.50 net.

The propeller ferry-boat "Gov. Russell," which was repurchased from the United States Government and refitted for ferry purposes, did not go into service until January 3, 1900, so that two new propeller boats have been in commission this year. Three propeller boats run on the North Ferry, three side-wheel boats at the South Ferry; a total of six boats in commission during the year. For eleven months of last year there were only five boats running, four side-wheel and one propeller.

The increased cost of maintenance, caused by running one additional propeller boat and one propeller in place of a side-wheeler, withdrawn from the service, was about \$9,500, not including the expense for coal, which was increased about \$7,000.

At the beginning of the year \$2,000 was paid for a new shaft to replace one broken in December, 1899, and two more have since been replaced, one on the "D. D. Kelly," the other on the "Revere," a total cost of nearly \$6,000.

A new and modern coal-pocket is being erected at the South Ferry, East Boston side. Plans have been made for a

new head-house at this place, and as soon as the coal-pocket is completed work upon it will be commenced. These improvements have been needed for many years, and it is hoped that before the end of the current year this landing will have as good facilities as the others. With this exception the buildings, boats, piers and drops are in good condition.

Extraordinary repairs were found to be needed to the engines of the "Noddle Island," "Gov. Russell," and "Revere." These have been made at a cost of nearly \$2,500.

The water-closets and sinks at Boston side, South Ferry, have been connected with the sewer. This necessitated the building of nine new closets, at a cost of about \$900.

A new office has been built for the use of the Deputy Superintendent, at East Boston side, North Ferry, at a cost of about \$1,000.

Ice-water tanks have been placed in head-houses at both sides of North Ferry.

The canopies, gates and drops on both sides of the North Ferry and the head-house on Boston side, have been painted for the first time in several years.

The head-house on Boston side, North Ferry, has been wired and lighted with incandescent lights.

The piers at three of the landings have been repaired and put in good condition, at a cost of over \$2,000.

By reference to the financial statement it will be seen that the receipts fell off \$5,194.25, of which amount \$1,185.50 was the difference between the sale of the "Ben Franklin" in 1899, and the "Winthrop" this year; the balance was decrease in foot and team travel. This decrease was occasioned by the blocking up of the South Ferry, East Boston entrance, by tunnel construction, and the fact that during a greater part of the year the large steamers were not running here, being engaged in carrying troops to South Africa.

LAND AND PROPERTY OF THE FERRY DIVISION.

South Ferry, East Boston Side. — Located at the termination of Lewis street, and covers an area of 58,725 square feet of land and water. On these premises are one head-house, with canopies, one work-shop for carpenters, machinists and blacksmith, one gate-room and oil-room; all in a poor condition; three piers, which form the two slips, two drops and tanks, and one dock, where boats are laid when not in use, or while undergoing repairs.

South Ferry, Boston Side. — Located at the termination of Eastern avenue, and covers an area of 38,135 square feet of land and water, upon which are one head-house, with canopies, one gate-room, three piers, which form the two slips and two drops and tanks.

North Ferry, Boston Side. — Located at the termination of Battery street, and covers an area of 45,000 square feet of land and water, upon which are one head-house, with canopies, one gate-room, three piers, which form the two slips, and two drops and tanks.

North Ferry, East Boston Side. — Located at the termination of Border street, and covers an area of 62,138 square feet of land and water, upon which are one head-house, with canopies, one boiler and oil-room, one stable, and one coal shed, three piers, which form the two slips, and two drops and tanks.

The wharf property adjoining the premises at Boston side, South Ferry, was leased by the East Boston Ferry Company for 999 years, at an annual rental of \$4,000, which lease was assigned to the Ferry Department. The whole of it is sublet to the Penal Institutions Department for \$2,000 per year. This makes a net loss to this Division of \$2,000 a year, and, in my opinion, the Penal Institutions Department should pay the whole rental.

The following steam ferry-boats are in commission :

Name.	When built.	Kind.	Length.
Revere	1875.	Side-wheel	148 ft.
D. D. Kelly	1879.	" "	148 "
Hugh O'Brien	1883.	" "	163 "
General Hancock	1887.	" "	148 "
Noddle Island	1899.	Propeller	164 ft. 3 in.
Gov. Russell	1900.	"	164 " 3 "
General Sumner	1900.	"	164 " 3 "

Respectfully yours,

JOS. J. DENNISON,

Deputy Superintendent.

FINANCIAL STATEMENT.

REGULAR ANNUAL AND SPECIAL APPROPRIATIONS OF STREET DEPARTMENT, FERRY DIVISION, FOR THE YEAR ENDING JANUARY 31, 1901.

Appropriation for year ending January 31, 1901,	\$237,000 00
Amount of expenditures	\$236,999 91
Transferred to City Treasury	09
	<u>237,000 00</u>

OBJECTS OF EXPENDITURE.

Salaries and wages for maintenance	\$134,411 10
Salaries and wages for repairs	17,972 42
Current expenses	14,172 48
Fuel	46,378 66
Supplies for maintenance	6,366 29
Supplies for repairs	5,606 61
Repairs on boats	8,759 89
Repairs on buildings, piers and drops	2,875 68
Tools and fixtures	265 78
Incidental expenses	191 00
	\$236,999 91
Transferred to City Treasury	09
	<u>\$237,000 00</u>

SPECIAL APPROPRIATIONS.

Appropriation authorized and issued for new ferry landings, head-house, new boats, slips, and drops	\$500,000 00
Amount transferred by City Government January 14, 1901, approved by the Mayor, January 19, 1901, unexpended balance of appropriation for new ferry-boats	4,400 79
	<u>\$504,400 79</u>
Amount expended to February 1, 1899	\$143,393 49
Amount transferred to Sewer Division, Street Department, by order of Mayor, authorized by Acts of Legislature, chap. 450, sect. 14, 1899	200,000 00
<i>Carried forward</i>	\$343,393 49

<i>Brought forward.</i>	\$343,393 49	
Amount expended from February, 1899, to February 1, 1900	12,187 69	
Amount paid on account of new ferry-boat, head-house, coal elevator and pier from February 1, 1900, to February 1, 1901	96,191 74	
	\$451,772 92	
Unexpended balance of appropriation January 31, 1901	52,627 87	
		<u>\$504,400 79</u>

OBJECTS OF EXPENDITURE. NEW FERRY LANDING APPROPRIATION.

New Propeller Ferry Steamer "General Sumner,"	<u>\$95,300 02</u>
William McKie, contract for building boat, \$85,500 00	
Additional approved expenses	32 00
	\$85,532 00
R. F. Keough, for plans, etc., and superintending construction	3,373 91
Knowles Steam Pump Works, contract for pumps	1,570 00
Hawks Electric Company, electric light plant	3,520 00
Charles Cory & Son, transmitters,	220 88
B. F. Sturtevant Co., 30-inch blower	187 00
C. W. Trainer Manufacturing Company, asbestos covering	595 00
Sundry bills for material	301 23
	\$95,300 02
Amount paid on account of new head-house, South Ferry, East Boston	49 12
Amount paid on account of new coal elevator, South Ferry, East Boston	16 00
Amount paid on new pier, North Ferry, East Boston	826 60
Total expenditure of year ending January 31, 1901	<u>\$96,191 74</u>

SPECIAL APPROPRIATION FOR NEW FERRY-BOATS.

Amount apportioned for the repurchase and refitting of ferry-boat "Gov. Russell"	<u>\$57,500 00</u>
--	--------------------

Amount expended previous to January 31, 1900, as per last report,	\$44,317 40	
Amount expended from January 31, 1900, to January 31, 1901,	8,781 81	
Total cost of refitting . . .	\$53,099 21	
Unexpended balance of appropriation transferred by order of City Government to New Ferry Landing appropriation . . .	4,400 79	
		<u>\$57,500 00</u>

TOTAL APPROPRIATIONS.

Annual appropriation for maintenance	\$237,000 00	
New Ferry Landing appropriation . . .	\$500,000 00	
Less previously expended . . .	355,581 18	
		144,418 82
Appropriation for new ferry-boats . . .	\$128,500 00	
Less previously expended . . .	115,317 40	
		13,182 60
		\$394,601 42

TOTAL EXPENDITURES.

Annual appropriation for maintenance	\$236,999 91	
New Ferry Landing appropriation,	96,191 74	
Appropriation for new ferry-boats,	8,781 81	
		341,973 46
		<u>\$52,627 96</u>

BALANCES UNEXPENDED.

Annual appropriation for maintenance	\$0 09	
New Ferry Landing appropriation	48,227 08	
Appropriation for new ferry-boats, transferred to New Ferry Landing appropriation	4,400 79	
		<u>\$52,627 96</u>

INCOME.

Cash receipts from February 1, 1900, to February 1, 1901.

From Tollmen :

For 11,817,257 foot-passengers, at 1 cent . . . \$118,172 57
 sales of strip team-tickets 25,521 00

From Gatemen :

For 272,546 foot-passengers, at 1 cent 2,725 46
 cash fares for teams 14,263 96

At office of City Collector :

From sale of ferry-boat "Winthrop" \$1,210 00
 Less net expenses of sale 10 50
 _____ 1,199 50

From sales of foot-passers by requisitions 391 60
 sales of strip team-tickets by requisitions 56 00
 rents 2,578 34
 National Automatic Machine Company 200 00

At office of Ferry Division :

From sales of foot-passes 110 62
 sales of strip team-tickets 1,259 58
 sales of old material 176 75
 boat privileges to boot-blacks 175 50

Total receipts of the year \$166,830 88

STATEMENT SHOWING RECEIPTS AT EACH FERRY.

North Ferry.

From Tollman.		Foot Passengers.	Team-tickets.	Total.
No.	2.....	\$12,432 23	\$2,000 50	\$14,432 73
"	3.....	12,293 95	1,925 00	14,218 95
"	5.....	12,448 34	2,142 00	14,590 34
"	6.....	12,261 78	2,314 50	14,576 28
"	9.....	12,172 80	2,026 50	14,199 30
"	10.....	12,504 08	1,873 50	14,377 58
"	13.....	12,232 50	2,377 50	14,610 00
		\$86,345 68	\$14,659 50	\$101,005 18

From Tollmen \$101,005 18

From Gateman :

For 183,046 foot-passengers, at 1 c. \$1,830 46
 cash fares for teams 7,950 33
 _____ 9,780 79

Total at North Ferry \$110,785 97

South Ferry.

From Tollman.		Foot-Passengers.	Team-Tickets.	Total.
No.	1.....	\$7,407 50	\$2,550 00	\$9,957 50
"	4.....	7,374 23	2,586 50	9,960 73
"	7.....	7,738 01	2,798 50	10,536 51
"	8.....	7,217 94	2,756 00	9,973 94
"	11.....	978 65	81 50	1,060 15
"	12.....	1,110 56	89 00	1,199 56
		\$31,826 89	\$10,861 50	\$42,688 39

From Tollmen \$42,688 39

From Gatemmen :

For 89,500 foot-passengers, at 1 cent \$895 00

Cash fares for teams 6,313 63

7,208 63

Total at South Ferry \$49,897 02

North and South Ferries as above \$160,682 99

Tickets paid for at office of City Collector 447 60

Tickets paid for at office of Ferry Division 1,370 20

Total ferriage receipts \$162,500 79

Sale of ferry-boat "Winthrop" 1,199 50

Rents, head-house and bootblack privileges 2,953 84

Sales of old material 176 75

Total cash receipts as above \$166,830 88

CASH STATEMENT.

From February 1, 1900, to February 1, 1901.

Dr.

To cash received from all sources \$166,830 88

Cr.

By amount paid City Collector. 166,820 33

Amount of rejected coin 10 55

\$166,830 88

STATEMENT OF RECEIPTS.

From April 1, 1870, to February 1, 1901.

Cash received for tolls from April 1, 1870, to February 1, 1897 .	\$4,411,901 68	
Cash received for tolls from February 1, 1897, to February 1, 1898	168,083 88	
Cash received for tolls from February 1, 1898, to February 1, 1899	162,078 87	
Cash received for tolls from February 1, 1899, to February 1, 1900	166,572 31	
Cash received for tolls from February 1, 1900, to February 1, 1901	162,500 79	
		\$5,071,137 53
Cash received for rent	\$52,752 96	
Cash received for old boats	76,331 21	
Cash received for one new boat	71,000 00	
Cash received from all other sources	11,166 76	
		211,250 93
Total receipts in 30 years and 10 months .	\$5,282,388 46	

CASH STATEMENT.

*From April 1, 1870 (date of purchase by the City of Boston of the East Boston Ferries), to February 1, 1901.**Dr.*

To receipts from all sources in 30 years 10 months	\$5,282,388 46
--	----------------

Cr.

By amount paid to City Collector, \$5,281,716 72	
By cash with tollmen as capital	575 00
By counterfeit and rejected money in 30 years 10 months	96 74
	\$5,282,388 46

EXPENDITURES.

From March 4, 1857, to April 1, 1870.

Amount charged to the East Boston Ferries by Auditor previous to purchase :

For avenues . . . \$250,000 00

For repairs . . . 65,815 68

\$315,815 68

For ferry property purchased

April 1, 1870 276,375 00

\$592,190 68

Amount of expenditure from April

1, 1870, to February 1, 1897 . \$6,151,147 67

Amount of expenditure from Feb-

ruary 1, 1897, to February 1,

1898

270,026 45

Amount of expenditure from Feb-

ruary 1, 1898, to February 1,

1899

342,908 06

Amount of expenditure from Feb-

ruary 1, 1899, to February 1,

1900

289,469 56

Amount of expenditure from Feb-

ruary 1, 1900, to February 1,

1901

341,973 46

7,395,525 20

\$7,987,715 88

DEDUCT.

Amount paid to City Treasury 5,281,716 72

Net cost of ferries to City to date, not including

interest on loans \$2,705,999 16

STATEMENT SHOWING THE ACTUAL STANDING OF FERRY DIVISION,
STREET DEPARTMENT, WITH THE CITY OF BOSTON, FEBRUARY
1, 1901.

Dr.

Amount paid previous to April 1, 1870 . . . \$592,190 68

Amount paid from April 1, 1870, to February 1,

1901, as follows :

Seven ferry steamers 618,070 58

New buildings, piers, and drops 443,103 94

Fuel 1,052,858 01

Repairs of all kinds 707,309 73

Carried forward \$3,413,532 94

<i>Brought forward</i>	.	.	.	.	.	\$3,413,532	94
Salaries and wages	.	.	.	.	.	3,532,288	46
Tools and fixtures	.	.	.	.	.	14,529	08
Land from Lincoln's Wharf in 1887	.	.	.	.	.	5,562	52
Land from Battery Wharf in 1893	.	.	.	.	.	10,000	00
All other expenses	.	.	.	.	.	1,011,802	88
							\$7,987,715 88

Cr.

By amount paid the City for income	.	.	.	.	.	\$5,281,726	81
amount charged to ferry property for avenues that were laid out as streets, August, 1880, and which should be credited to this Division,						250,000	00
rents prior to 1881	.	.	.	.	.	60,277	56
paving avenues	.	.	.	.	.	11,530	84
estimated value of six ferry steamers	.	.	.	.	.	\$172,438	91
"Gov. Russell," added January 1, 1900	.	.	.	.	.	53,099	21
"General Sumner," added Sep- tember 4, 1900	.	.	.	.	.	95,300	02
							\$320,838 14
less 13 months' dis- count at 6 per cent. per annum on "Gov. Russell"						\$3,451	44
less five months' dis- count on "Gen- eral Sumner"	.	.	.	.	.	2,382	50
less twelve months' discount on other boats	.	.	.	.	.	10,346	53
							16,180 27
							\$304,657 87
deduct sale of ferry-boat "Win- throp"	.	.	.	.	.	1,199	50
							303,458 37
estimated value of real estate and franchise as per last re- port	.	.	.	.	.	\$710,800	00
added during the past year	.	.	.	.	.	900	00
							711,700 00
amount not yet charged to new buildings	.	.	.	.	.	11	33
amount paid for awning, North Ferry, East Boston	.	.	.	.	.	742	94
<i>Carried forward</i>	.	.	.	.	.	\$6,619,447	85

<i>Brought forward</i>	\$6,619,447 85
By amount paid for new clock, South Ferry, Boston	474 79
land from Lincoln's Wharf	5,562 52
land from Battery Wharf	10,000 00
amount expended on Eastern-avenue Wharf	1,499 46
estimated value of tools and fixtures	6,000 00
estimated value of fuel on hand	8,157 25
estimated value of supplies on hand	2,712 80
cash with tollmen as capital	575 00
amount charged to new head-house, South Ferry, East Boston	49 12
amount charged to new coal elevator, South Ferry, East Boston	16 00
profit and loss in 30 years and 10 months	1,333,221 09
	\$7,987,715 88

STATEMENT SHOWING THE DIFFERENCE OF TRAVEL ON THE FERRIES
FROM FEBRUARY 1, 1900, TO FEBRUARY 1, 1901.

	<i>North Ferry.</i>	<i>South Ferry.</i>
Foot-passengers, at 1 cent each	8,817,614	3,272,189
Foot-passengers, by ticket	104,941	49,133
Foot-passengers, free	60,502	5,304
Total foot-passengers	8,983,057	3,326,626
One-horse teams and pleasure carriages	413,570	266,176
Two-horse teams	103,625	106,765
Three-horse teams	4,631	3,755
Four-horse teams	6,219	6,125
Two-horse pleasure carriages and hacks	10,656	4,734
Hand-carts, etc.	4,020	1,527
Drag wheels	35	25
Free teams	5,210	1,379

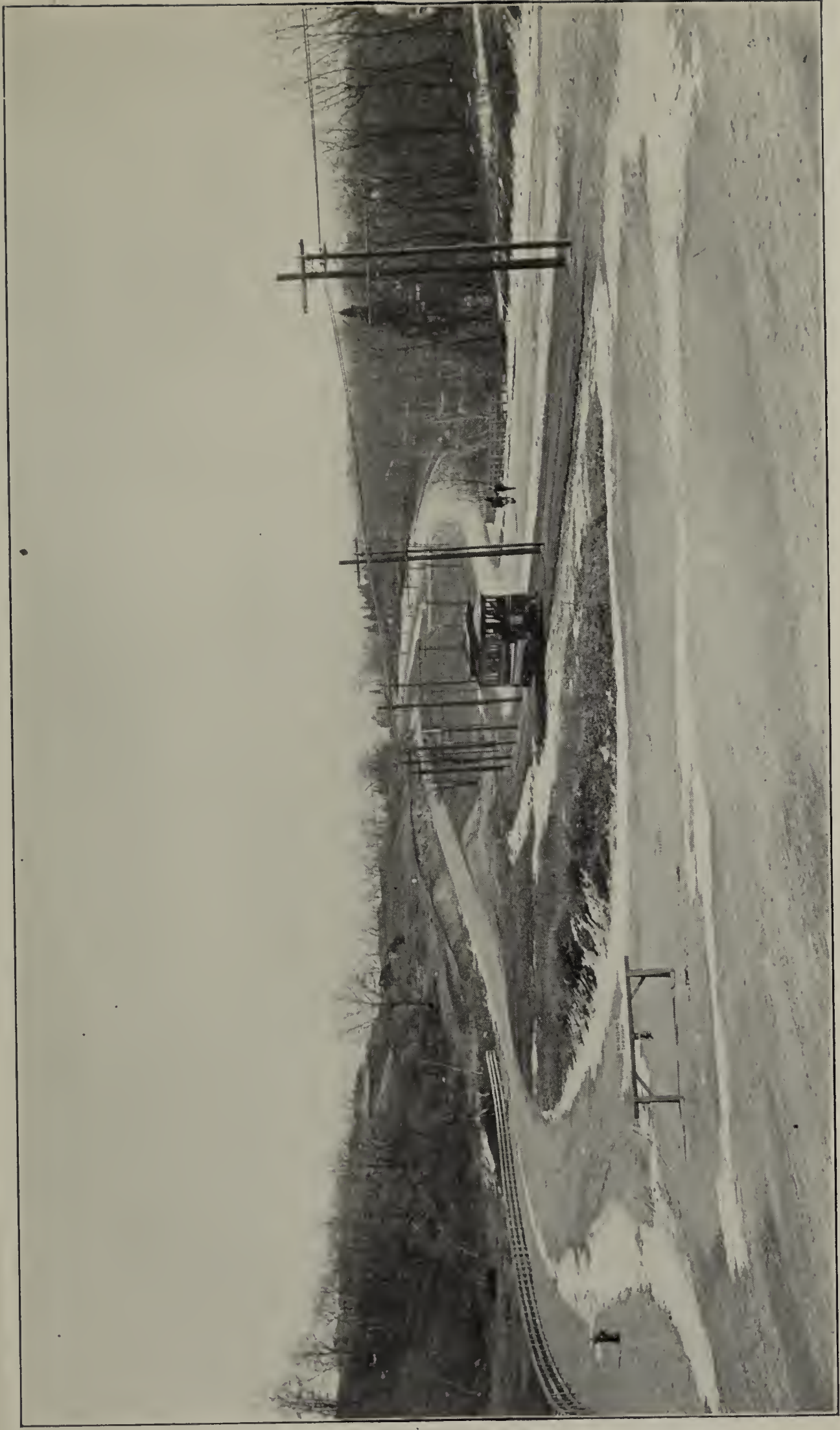
**Total Travel on both Ferries from February 1, 1896, to
February 1, 1901.**

	From Feb. 1, 1896, to Feb. 1, 1897.	From Feb. 1, 1897, to Feb. 1, 1898.	From Feb. 1, 1898, to Feb. 1, 1899.	From Feb. 1, 1899, to Feb. 1, 1900.	From Feb. 1, 1900, to Feb. 1, 1901.
One-horse teams.....	733,478	738,514	685,422	689,754	679,746
Two-horse teams.....	219,306	240,434	207,402	230,100	210,390
Three-horse teams.....	9,290	7,716	9,474	10,355	8,376
Four-horse teams.....	14,902	14,961	15,311	15,360	12,344
Two-horse carriages and hacks	16,299	14,659	13,582	14,764	15,390
Two-cent tolls for hand- carts, etc.....	8,321	8,819	6,850	6,076	5,547
Drag-wheels, etc.....	76	75	99	66	60
Foot-passengers.....	12,034,300	12,466,272	12,182,842	12,453,163	12,243,877

TICKET STATEMENT.

Foot-passes outstanding February 1, 1900	202,759
Sold during the year	110,620
Delivered on requisition	44,110
	357,489
Received and destroyed	154,074
Outstanding February 1, 1901	<u>203,415</u>
One-horse team-tickets outstanding February 1, 1900	66,810
Sold during the year	329,456
Delivered on requisitions	1,328
	397,594
Received and destroyed	345,218
Outstanding February 1, 1901	<u>52,376</u>
Two-horse team-tickets outstanding February 1, 1900	34,869
Sold during the year	189,392
Delivered on requisitions	672
	224,933
Received and destroyed	189,724
Outstanding February 1, 1901	<u>35,209</u>

Three-horse team-tickets outstanding February 1, 1900	2,350
Sold during the year	8,190
	10,540
Received and destroyed	7,308
Outstanding February 1, 1901	3,232
Four-horse team-tickets outstanding February 1, 1900	5,161
Sold during the year	11,400
	16,561
Received and destroyed	11,341
Outstanding February 1, 1901	5,220
One-horse carriage-tickets outstanding February 1, 1900	19,068
Sold during the year	39,860
Delivered on requisitions	100
	59,028
Received and destroyed	39,769
Outstanding February 1, 1901	19,259
Two-horse carriage-tickets outstanding February 1, 1900	3,047
Sold during the year	7,900
	10,947
Received and destroyed	7,683
Outstanding February 1, 1901	3,264



COMMONWEALTH AVENUE, NORTH OF WALLINGFORD ROAD, SHOWING UPPER AND LOWER ROADWAYS AND RESERVED SPACE FOR ELECTRIC CARS.

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APPENDIX C.

REPORT OF THE DEPUTY SUPERINTENDENT
OF THE PAVING DIVISION.

ROOM 44, CITY HALL, BOSTON, February 1, 1901.

MR. B. T. WHEELER, *Superintendent of Streets* :

DEAR SIR, — I respectfully submit the annual report of the expenditures and income of the Paving Division of the Street Department for the financial year ending January 31, 1901, showing the nature of the work, the number and variety of permits issued, and the details of expenditures involved in paving, macadamizing, regulating, and constructing various streets.

The Paving Division has charge of the following work :

The maintenance and rebuilding of street surfaces and sidewalks.

The placing of street signs.

The numbering of buildings.

The issuing of permits to open or occupy the streets, or for such other purpose as may be required under the ordinances.

The removal of snow and ice from the streets, gutters and plank walks.

The cleaning of streets in the outlying sections of the City not covered by the Street Cleaning Division.

The Division is in charge of a Deputy Superintendent, with a clerical force under the direction of a chief clerk and an engineering force under the direction of a chief engineer.

The past year has been one of unusual activity in the Paving Division, and the amount of work accomplished has resulted in a material improvement in the condition and appearance of the streets throughout the entire City. Owing to the uncertainty attending the outcome of the legislation relating to the tax limit, and the consequent delay in the appropriations, little new construction was begun until late in the season ; notwithstanding this fact, however, a large number of streets have been constructed in the outlying districts,

and material progress has been made in the reconstruction of streets in the business section of the City. The condition of the down-town streets, so called, has been a constant source of complaint for years ; the pavement of many of these streets has been laid for from twenty to thirty years, and the constant wear and tear of heavy teaming, together with the digging up of the pavement by corporations occupying the streets has rendered their condition worse from year to year, until at the present time many of the streets are entirely unfit for the travel to which they are subjected.

RECONSTRUCTION.

The business interests of the City demand that proper facilities be provided for the transportation of goods, and the immense amount of teaming required for this purpose renders it imperative that the streets be paved with a permanent pavement laid in the most substantial manner. A comprehensive scheme for the renovation of the streets in the business section of the City has been inaugurated, the beneficial effects of which are already apparent in the improved facilities for teaming and travel on the streets reconstructed in the past year. Atlantic avenue and Commercial street furnish notable examples of both the old and new conditions. These streets, which together form a broad avenue covering the entire water front of the lower end of the City, and which are almost wholly given up to heavy teaming, have been a constant source of complaint on account of the deplorable condition of the road-bed and pavement, which rendered teaming both difficult and dangerous. To remedy these conditions and provide a pavement which would meet the requirements of the heavy traffic to which these streets are subjected, provision was made for repaving these streets with large granite blocks with cement grout joints laid on a concrete base.

Contracts have been let covering the entire water front on these streets, and a large portion of the work has already been completed. The work will be resumed and finished the coming season, and the streets when completed will furnish an avenue for heavy teaming without an equal. The following-named streets have also been reconstructed in a substantial manner as stated, viz., Devonshire street, from State street to Water street, and Oliver street, from Milk street to Atlantic avenue, were repaved with large granite blocks laid on a six-inch concrete base with pitch and pebble joints ; Prince, Court, and Bosworth streets were repaved with

granite blocks with pitch and pebble joints on a gravel base ; and Boylston street, from Washington street to Tremont street, repaved with granite blocks on a gravel bed. The repaving of Summer street, from Washington street to Federal street, has also been completed with large granite blocks laid on a six-inch concrete base with cement grout joints.

ASPHALT PAVEMENT.

There has been an increased demand for asphalt pavements on the part of the public, particularly in the residential districts and in the sections of the City occupied by business offices, on account of the noiseless character of the pavement and its cleanly appearance.

In compliance with this demand, asphalt pavements have been laid in the following streets, viz.: Tremont street, from Scollay square to Boylston street; Beacon street, from Arlington street to Clarendon street; Boylston street, from Arlington street to Berkeley street; Temple place; Mason street; Trinity place, from Stuart street to Stanhope street; and Prince street, between Hanover street and Salem street, in the City Proper, and in Meridian street, from Trenton street to Eutaw street, in East Boston. The asphalt in all of these streets was laid under a 10-year guarantee.

A portion of Tremont street was paved with a new style of wooden block laid on a 6-inch concrete base as an experiment for the purpose of determining the comparative durability of this form of pavement. The blocks used were furnished and laid by the United States Wood Preserving Company. These blocks have been treated by a new process which, it is claimed, renders them impervious to moisture and more durable than the old style of wooden block. This portion of the work was also laid under a 10-year guarantee, and the practical result of the experiment is awaited with a great deal of interest. The widening of the sidewalks on this street now meets with universal approval on account of additional accommodation for foot travel and the improvement in the appearance of the street.

ASSESSMENT STREETS.

Under the provisions of Chapter 323 of the Acts of 1891, and Acts in amendment thereof or in addition thereto, thirty-two new streets and two public alleys have been constructed and sixteen streets partially constructed. Work on the widening and construction of Cambridge street, Ward 25, from Brighton avenue to Washington street, which was

begun and suspended under the last administration, has been resumed, and the work will be completed the coming season. The work of widening Tremont street, Ward 25, from Washington street to the Newton line, a much-needed improvement, has also been begun, and good progress made thereon. The work is now suspended, but will be resumed and finished in the spring. The construction of the "323" streets, so called, and all new street construction, is now under the direct supervision of the Paving Division. The large amount of engineering incidental to street construction requires the constant employment of a large force of engineers, who have heretofore been detailed from another Department. These men, although paid by the Street Department, were still under the control of the Department to which they belonged.

Experience has demonstrated that to secure the best results this force should be under the direct control of and answerable to the Superintendent of Streets alone. This has been accomplished by the creation of an engineering corps of the Paving Division, corresponding to the engineering corps of the Sewer Division, to take charge of the details of construction, prepare plans, and to consider and report on all matters requiring the services of an engineer.

GENERAL WORK.

The regular force of the Division has been constantly employed during the year in improving the general condition of the streets throughout the City.

About forty-two (42) miles of macadam streets, with an area of 551,869 square yards, have been resurfaced.

Two hundred and sixty-five thousand linear feet of edge-stones have been set or reset, 222,000 square yards of paving relaid, and about 145,000 square yards of brick sidewalks laid outside of the work done under contract for street construction. Many of the macadam streets in the outlying sections of the City are in a disgraceful condition, and the condition of many of the paved streets affords just ground for complaint.

The work of the past year has resulted in a marked improvement in the appearance of the streets, but much still remains to be done to make their condition satisfactory.

Extensive repairs have also been made on the asphalt streets throughout the City, under the supervision of this Division, and their condition has been materially improved. The condition of some of the older pavements on which the



CRUSHER, IFFLEY ROAD.

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guarantee has expired is such that it would be economy in many cases to resurface the entire street as the expense of patching increases with each successive year, and no amount of patching will put or keep the pavement in proper condition.

A large portion of the road-bed of Commonwealth avenue, in Ward 25, has been entirely reconstructed, and the construction of the avenue is now complete, with the exception of a portion of the loam space.

The bridge over Columbia road, at Richfield street, Ward 20, is now in process of construction, under an agreement between the City of Boston and the New York, New Haven & Hartford Railroad Company. The completion of this bridge will do away with the awkward and dangerous condition heretofore existing at this point, and will enable the City to complete the construction of Columbia road, and make suitable connections with the intersecting streets.

The abandonment of the Park Square Station as a railroad terminal has opened the way for a change in the construction of Berkeley street, between Boylston street and Columbus avenue, which will be of material benefit to the public. Advantage has been taken of the opportunity afforded to revise the grade of the street and do away with the bridge over the railroad. Plans have been made, and a contract let for removing the bridge and filling the street over the railroad location. By the revised grade the present rise in the street will be removed, and a practically level grade established for the street, which will give better facilities for travel.

CRUSHING PLANT.

Important and much-needed changes in and additions to the crushing plant of the Department have been made during the year. A new crusher, with an output of 300 tons per day, has been erected between Iffley road and Montebello road, in the West Roxbury District. This crusher is fitted with all the modern appliances and is built in the most thorough and substantial manner; it is conceded to be one of the finest in the country. The crusher formerly standing on the Bleiler ledge, in the Roxbury District, has been removed to the Kenney ledge and thoroughly overhauled and repaired.

Extensive repairs have also been made on the other crushers belonging to the Department, and the entire crushing plant is now in first-class working order. The crusher at Rosseter street, in the Dorchester District, will serve its

purpose in its present location through the winter, but its condition is such that its removal to another location would not be feasible.

YARD AND WHARF ROOM.

The facilities for receipt and storage of material for construction, and for the proper care of the stock and property of the City, have been entirely inadequate to the needs of the Department. Much has been done during the year to meet the wants of the Department in this respect, and as a result the conditions have been materially improved.

By the conversion of the old swill wharf and buildings on Albany street to this Division, additional and much-needed room for the receipt and storage of construction material for use in the City Proper has been secured.

Additional wharf and yard room in the North End district has also been secured by the lease of the adjoining premises, which, with the contemplated change in and addition to the present buildings will provide ample room for the receipt and storage of the stock and property of the City in this section.

In the East Boston district a model yard for the use of the several Divisions of the Street Department has been provided by the lease of a portion of the property of the Glendon Company. Stables, sheds, and an office building have been erected and ample facilities provided for the proper care of the stock and property of the several Divisions.

The excellent wharf privileges connected with this yard and ease of access render it a most desirable acquisition to the Department.

STEAM ROLLERS AND TOOLS.

The steam rollers belonging in the Department (six in number) have been thoroughly overhauled and repaired at a considerable expense, and, with a slight outlay for minor repairs, will be in good shape for the coming season.

The stock of tools belonging to the Division has been thoroughly gone over and repairs and additions made to the same. The wagons and other appliances in use have also been repaired, and everything put in good condition for use.

ASSESSMENT STREETS.

The following streets were constructed under Chapter 323, of the Acts of 1891, and the Acts in amendment thereof, or in addition thereto :

Ashley street, from Breed street to Walley street, is about 650 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty, September 21, 1900. Work under this contract was begun October 1, 1900, and suspended December 17, 1900.

Barry street, between Hamilton street and Quincy street, "ledge excavation." The contract for excavating the ledge on this street was awarded to the F. E. McCarthy Company, June 6, 1900, and was completed October 1, 1900. Amount of excavation, 2,812 cubic yards.

Callender street, from Tucker street across Don street, is about 2,229 feet long. The contract for constructing the surface of this street was awarded to John F. Cullen November 13, 1899. Work was begun on this contract March 29, 1900, and suspended April 27, 1900; resumed August 21, 1900, and completed November 21, 1900. It is a 6-inch macadam roadway, with crushed stone sidewalks. The crushed stone, gutter blocks, and edgestones were furnished by the City, and hauled by the contractor to the site of the work. The flagging for the crosswalks was furnished by the contractor.

Cambridge street, Brighton avenue to Washington street, is about 3,642 feet long. The contract for constructing the surface of this street was awarded to J. L. Bryne & Co. Work under this contract was begun October 26, 1899, and suspended December 23, 1899. The work was subsequently abandoned by the contractors, who surrendered their contract. The contract for finishing the street was awarded to J. H. Sullivan, October 30, 1900. Work was begun under this contract November 6, 1900, and is still in progress.

Cardington street, from Cobden street across Fenner street, is about 226 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty, August 29, 1900. Work was begun September 5, 1900, and suspended October 15, 1900.

Corinth street, between Washington street and Brandon street, is about 614 feet long. The contract for constructing the street was awarded to Collins & Ham, October 19, 1900. The work of removing the buildings within the line of widening was begun October 26, 1900, and is still in progress. No work has been done on the street.

Dunford street, between Cobden street and Fenner street, is about 198 feet long. The contract for constructing the surface of this street was awarded to James Doherty, August 2, 1900. Work under this contract was begun August 13, 1900, and completed September 10, 1900. It is a 6-inch macadam roadway with brick sidewalks. The crushed stone, gutter blocks, and edgestones were furnished by the City and hauled by the contractor to the site of the work. Brick for the sidewalks was delivered on the line of the work by the City. Flagging for the crosswalks was furnished by the contractor.

Echo street, from Columbus avenue to Centre street, is about 175 feet long. The contract for constructing the surface of this street was awarded to James Doherty, August 2, 1900. Work under this contract was begun August 13, 1900, and completed September 10, 1900. It is a 6-inch macadam roadway with brick sidewalks. The crushed stone, gutter blocks, and edgestones were furnished by the City and hauled by the contractor to the site of the work. Bricks for the sidewalks were delivered by the City on the line of the work. Flagging for crosswalks was furnished by the contractor.

Fowler street, between Glenway street and McLellan street, is about 353 feet long. The contract for constructing the surface of this street was awarded to Booth & Co., August 2, 1900. Work under this contract was begun August 30, 1900, and completed October 15, 1900. It is a 6-inch macadam roadway with crushed stone sidewalks. Crushed stone, gutter blocks and edgestones were furnished by the City and hauled by the contractor to the site of the work. Flagging for crosswalks was furnished by the contractor.

Homes avenue, from Bowdoin street to Topliff street, is about 880 feet long. The contract for constructing the surface of this street was awarded to Thomas F. Welch, August 2, 1900. Work was begun on this contract August 9, 1900, and completed October 12, 1900. It is a 6-inch macadam roadway with crushed stone sidewalks, with the exception of portion between Bowdoin street and Geneva avenue, where the sidewalks were laid with artificial stone 4½ feet wide, with a loam space 2 feet wide inside of the edgestones. The crushed stone, gutter blocks and edgestones were furnished by the City and hauled by the contractor to the site of the work. Flagging for the crosswalks was furnished by the contractor.

Lauriat avenue, Ballou avenue to Norfolk street, is about 769 feet long. Artificial stone sidewalks. The contract for laying artificial stone sidewalks on this street was awarded to W. A. Murtfeldt Company, September 21, 1900, and the work completed December 6, 1900.

Montague street, between Ashmont street and Roslin street, is about 345 feet long. The contract for constructing the surface of this street was awarded to Collins & Ham, August 28, 1900. Work was begun under this contract September 4, 1900, and completed October 12, 1900. It is a 6-inch macadam roadway. Crushed stone and edgestones were furnished by the City, and were hauled by the contractors to the site of the work. The gutter blocks were furnished by the City on the line of work. Flagging for crosswalks was furnished by the contractors.

Montague street, between Ashmont street and Roslin street. Artificial stone sidewalks, about 345 feet long. The contract for laying the sidewalks was awarded to Simpson Brothers Corporation, October 15, 1900, and the work was completed November 14, 1900.

Nottingham street, between Bullard street and Bowdoin avenue, is 626 feet long. The contract for constructing the surface of this street was awarded August 2, 1900, to D. F. O'Connell. Work was begun under this contract September 4, 1900, and completed October 27, 1900. It is a 6-inch macadam roadway. Crushed stone, gutter blocks and edgestones were furnished by the City, and hauled by the contractor to the line of the work. Flagging for crosswalks was furnished by the contractor.

Nottingham street, between Bullard street and Bowdoin avenue. Artificial stone sidewalks, about 626 feet long. The contract for laying the walks was awarded to W. A. Murtfeldt Company, October 5, 1900. The work was suspended December 8, 1900.

Public Alley 432, between Commonwealth avenue and Newbury street, from Fairfield street to Gloucester street, is about 520 feet long. The contract for constructing the surface of this street was awarded to E. S. Fogerty, October 24, 1900. Work was begun under this contract November 8, 1900, and completed November 24, 1900. This alley is paved with blocks on a gravel base, with Portland cement grout joints, and brick sidewalks. The granite blocks for the roadway and the bricks for the sidewalks were delivered on the line of the work by the City. The excavating was done by the contractor.

Public Alley 439, between Boylston street and Newbury street, from Clarendon street to Dartmouth street, is about 575 feet long. The contract for constructing the surface of this street was awarded to E. S. Fogerty, November 12, 1900. Work under this contract was begun November 16, 1900, and completed December 7, 1900. The roadway is paved with vitrified brick, and the sidewalks with paving brick. The bricks for the roadway and sidewalks were delivered on the line of the work by the City. The excavating was done by the contractor.

Rockford street, between Dudley street and Clifton street, is about 605 feet long. The contract for constructing the surface of this street was awarded to D. F. O'Connell, August 2, 1900. The work under this contract was begun September 24, 1900, and completed December 8, 1900. It is a 6-inch macadam roadway with brick sidewalks. Crushed stone, gutter blocks and edgestone were furnished by the City and hauled by the contractor to the line of the work. Flagging for crosswalks was furnished by the contractor.

Seaborn street, between Centre street and Kenwood street, is about 438 feet long. The contract for constructing the surface of this street was awarded to James Doherty, August 28, 1900. Work under this contract was begun September 7, 1900, and completed October 12, 1900. It is a 6-inch macadam roadway, with crushed stone sidewalks. Crushed stone and edgestones were furnished by the City, and hauled by the contractor to the site of the work. The gutter blocks were furnished by the City on the line of the work. Flagging for the crosswalks was furnished by the contractor.

Stratford street, between Anawan and Clement avenues, is about 975 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty, November 23, 1900. Work under this contract was begun December 3, 1900, and suspended January 14, 1901.

Stratford street, between Anawan and Clement avenues, is 975 feet long. Artificial stone sidewalks. The contract for laying these sidewalks was awarded to William L. Cahalan, June 21, 1900. Work was begun under this contract September 12, 1900, and suspended November 13, 1900.

Tremont street, between Washington street and the Newton line, is about 1,827 feet long. The contract for constructing the surface of this street was awarded to William Scollans, November 6, 1900. Work was begun under this contract November 12, 1900, and suspended January 12, 1901.

Trinity place, between Stuart and Stanhope streets. The contract for constructing sidewalks, fences, and sub-grading the street was awarded to Frank Bachelder, November 2, 1900. Work was begun November 12, 1900, and completed December 5, 1900.

Trinity place, between Stuart and Stanhope streets, is about 262 feet long. The contract for constructing the surface of this street was awarded to the Barber Asphalt Paving Company, September 29, 1900. Work under this contract was begun November 17, 1900, and completed December 1, 1900. The street is paved with Trinidad Lake asphalt, with a wearing surface one and one-half ($1\frac{1}{2}$) inches thick, laid on a one and one-half ($1\frac{1}{2}$) inch asphaltic cement concrete binder on a six (6) inch American cement concrete base; under a ten year guarantee.

Woodcliff street, from Howard avenue easterly, is about 275 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty, August 2, 1900. Work was begun under this contract August 7, 1900, and completed October 5, 1900. It is a six (6) inch macadam roadway, with crushed stone sidewalks. Crushed stone, gutter blocks and edge-stones were furnished by the City, and hauled by the contractor to the site of the work. Flagging for the crosswalks was furnished by the contractor.

Province court, from Province street about 165 feet easterly, was laid with granite blocks on a gravel base with pitch and pebble joints. The paving and regulating was done under contract by Jones & Meehan. The old pavement was removed by the contractor. Former pavement, old blocks on gravel base.

Washington street, from Morton street to Tower street, is about 550 feet long. The contract for constructing the surface of this street was awarded to Jones & Meehan, October 17, 1900. Work was begun under this contract November 20, 1900, and suspended December 15, 1900.

PAVING.

Granite block pavement on a concrete base; laid with pitch and pebble joints, 6,138 square yards.

Granite block pavement on a gravel base; laid with pitch and pebble joints, 1,079 square yards.

Granite block pavement on a concrete base; laid with Portland cement grout joints, 22,996 square yards.

Granite block pavement on gravel base; laid with gravel joints, 4,312 square yards.

Granite block pavement, on a gravel base, laid with Portland cement grout joints, 453 square yards.

Vitrified brick pavement, on a gravel base, laid with Portland cement joints, 299 square yards.

Wood block paving, on concrete base, laid with gravel joints, 1,367 square yards.

Trinidad lake asphalt, with a binder course of asphaltic cement concrete, laid on American Portland cement concrete base, under a ten year guarantee, 11,483 square yards, at \$3.25 per square yard, exclusive of the cost of preparing the road-bed for the concrete base; 10,562 square yards were laid in Tremont street, Boylston street to Scollay square, and 757 square yards were laid in Trinity place.

Trinidad land asphalt, with a binder course of asphaltic cement concrete, laid on American cement concrete base, under a ten year guarantee, 1,495 square yards were laid in Temple place, at a cost of \$3.05 per square yard, exclusive of the cost of preparing the road-bed for the concrete base.

Sicilian rock asphalt, on an American cement concrete base 11,520 square yards — 3,844 square yards in Boylston street, Arlingtons treet to Berkeley street, at a cost of \$3.25 per square yard; 6,681 square yards in Beacon street, Arlington street to Clarendon street, at a cost of \$3.25 per square yard; Prince street, towards Hanover street, 464 square yards, at a cost of \$3.25 per square yard; Meridian street, between Trenton and Eutaw streets, 540 square yards, at a cost of \$3.25 per square yard, exclusive of the cost of preparing the road-bed. All asphalt pavement laid during the season of 1900 was laid with a maintenance guarantee for ten (10) years.

Atlantic avenue, from Oliver street across India square, was paved with large blocks on a six (6) inch American cement concrete base, with Portland cement grout joints. Within the tracks of the Boston Elevated Railway Company and the Union Freight Company, Philadelphia size blocks were used on the concrete base, with grout joints. The old pavement was removed and the roadway excavated by the Street Department. The paving and regulating was done under contract by Jones & Meehan. The Boston Elevated Railway Company and Union Freight Railroad Company, by agreement, paid for the portion between their tracks. Former pavement, granite blocks, with gravel joints on gravel base.

Atlantic avenue, from India square to Eastern avenue. In this portion of Atlantic avenue the roadway was widened on the west side, by reducing the width of the sidewalk two (2) feet.

The work within these limits was only partially completed. The west roadway was paved with large blocks on a six (6) inch American cement concrete base, with Portland cement grout joints. The old pavement was removed and the roadway excavated by the Street Department. The old three (3) feet corners have been taken up and replaced by circular edgestones, cut on longer radii. This section of the avenue will be completed early this coming season. Former pavement, granite blocks with gravel joints on gravel base.

Commercial street, west side, from Hull street to Hanover street, was paved with large blocks on a six (6) inch American cement concrete base, with Portland cement grout joints. The east side will be completed early this coming season. The old pavement was removed and the roadway excavated by the contractors, A. A. Libby & Co. Former pavement, granite blocks on gravel base, with gravel joints.

Boylston street, from easterly side of Arlington street, to Berkeley street, was paved with two (2) inches of Sicilian rock asphalt, on a six (6) inch American cement concrete base, by the Boston Asphalt Company. The old pavement was removed and the roadway excavated by the Street Department. Former pavement was macadam.

Beacon street, between Arlington street and Clarendon street was paved with two (2) inches of Sicilian rock asphalt, on a six (6) inch American cement concrete base, by the Boston Asphalt Company. The old pavement was removed and the roadway excavated by the Street Department. The edgestones were reset and the brick sidewalks relaid by H. Gore & Co. Former pavement, macadam.

Hayward place, from Washington street to Harrison avenue, was paved in November, 1898, with two and one-half ($2\frac{1}{2}$) inches of asphaltina (a patented coal-tar production), on a six (6) inch American Portland cement concrete base, by the Boston Paving Company, under a five-year guarantee. This street was resurfaced in October, 1900, with Trinidad land asphalt.

Mason street, from Tremont street, about ninety-five feet easterly, was paved with one and one-half ($1\frac{1}{2}$) inches of Trinidad Lake asphalt wearing surface, with one and one-half ($1\frac{1}{2}$) inches of asphaltic cement concrete binder on a six (6) inch American Portland cement concrete base, by the Barber Asphalt Paving Company. The old pavement was removed and the roadway excavated for the concrete base by the Street Department. Former pavement, old blocks on gravel bed.

Meridian street, from Trenton street to Eutaw street, was paved with two (2) inches of Sicilian rock asphalt on a six (6) inch American cement concrete base, except the portion occupied by the Boston Elevated Railway Company. The brows for eighteen (18) inches outside the tracks were paved with granite blocks on a concrete base, with pitch and pebble joints. The work was done under contract by Jones & Meehan. The edge-

stones were reset and brick sidewalks relaid by the contractors. The old pavement was removed and the roadway excavated by the Street Department. Former pavement, macadam.

Oliver street, from Atlantic avenue to Milk street, was paved with granite blocks on six (6) inch American cement concrete base, with pitch and pebble joints. The paving and regulating was done under contract by James Doherty. The old pavement was removed, and the roadway excavated by the contractor. Former pavement, old blocks on gravel base with gravel joints.

Summer street, from Washington street to Federal street, was paved on the south side with large granite blocks on a six (6) inch American cement concrete base, with Portland cement grout points. Within the tracks of the Boston Elevated Railway Company, Philadelphia size blocks were used on a concrete base, with grout joints. The paving and regulating was done under contract by Joseph B. O'Rourke. The old pavement was removed, and the roadway excavated by the contractor. Former pavement, granite blocks on a gravel base.

Tremont street, from Boylston street to Scollay square, was paved with asphalt, by the Barber Asphalt Paving Company, except the west half of the street between Temple place and Park street, which was paved with wooden blocks. The portion paved with asphalt has a wearing surface of one and one-half ($1\frac{1}{2}$) inches Trinidad Lake asphalt with one and one-half ($1\frac{1}{2}$) inches Asphaltic cement concrete binder on an American Portland cement concrete base, with a ten-year guarantee. The west half of the roadway, from Temple place to Park street, was paved with wooden blocks and gravel joints on a concrete base, by the United States Wood Preserving Company, and the paving guaranteed for ten years. The old pavement was removed, and the roadway excavated by the Street Department. Former pavement, old blocks on gravel base.

Tremont street, between Mason street and School street, "Sidewalks." The sidewalks were widened on the east side, attaining their greatest width of twenty-five (25) feet at West street. The widened portion of this sidewalk was laid with brick or artificial stone. The artificial stone was laid by Simpson Brothers Corporation, and the brick by Frank Bachelder.

Centre street, retaining wall and fence. The contract for constructing the retaining wall and fence on the east side of Centre street, opposite New Heath street, Roxbury, was awarded to P. F. Donovan, July 7, 1900. Work under this contract was begun July 17, 1900, and completed November 3, 1900. It is a first-class seam-face, rubble wall built of large-sized Roxbury stone laid solid in cement mortar, and surmounted by a wooden fence. The rock excavation and work necessary in preparing for the foundation of the wall was done by the contractor and included in the contract price.

Freeport street, retaining wall. The contract for con-

structing the retaining wall along Freeport street at the Dorchester Yacht Club, was awarded to Collins & Ham, September 15, 1900. Work under this contract was begun September 17, 1900, and completed December 26, 1900. It is a first-class rubble wall, built of Quincy granite laid solid in cement mortar. All excavation and work necessary in preparing for the foundation was done by the contractors, and the cost of same included in the contract price.

Respectfully yours,

D. N. PAYSON,

Deputy Superintendent.

FINANCIAL STATEMENT.

REGULAR APPROPRIATION.

Maintenance	\$780,000 00	
Amount collected for repairs made by Paving Division and inspector's services for dif- ferent companies, etc.	2,700 72	
		\$782,700 72
Expenditures from February 1, 1900, to January 31, 1901		<u>\$782,700 72</u>

SPECIAL APPROPRIATIONS, PAVING AND STREET IMPROVEMENTS.

Amount of balances February 1, 1900	\$34,786 92	
Amount of appropriations, 1900- 1901, revenues and transfers	1,037,535 22	
		\$1,072,322 14
Amount of expenditures		710,802 50
		<u>\$361,519 64</u>

TOTAL EXPENDITURES.

Maintenance appropriation	\$782,700 72
Special appropriations	710,802 50
Laying-Out and Construction of Highways	83,419 21
Laying-Out and Construction of Highways, East Boston	62,934 32
Laying-Out and Construction of Highways, Brighton	11,800 23
Laying-Out and Construction of Highways, Dor- chester	112,872 71
	<u>\$1,764,529 69</u>
<i>Carried forward</i>	

<i>Brought forward</i>	\$1,764,529 69
Laying-Out and Construction of Highways, Rox-	
bury and West Roxbury	70,337 07
Blue Hill and other avenues	58,677 26
South Union Station	28,556 98
Charlestown bridge	3,806 74
Charlestown street	1,078 10
Abolishment of grade crossings	416 00
Buildings, Chelsea street	9,048 34
Malden bridge	1,881 65
	\$1,938,331 83

INCOME.

Statement showing the amount of bills deposited with the City Collector from February 1, 1900, on account of the Paving Division.

Edgestone and sidewalk assessments	\$3,011 00

The amount paid into the City Treasury during the year on account of the Paving Division is as follows :

Sidewalk construction assessments (law of 1892),	\$6,201 61
Edgestone and sidewalk assessments (law of 1893)	199 84
	\$6,401 45

Objects of Expenditures from the Regular Appropriation, Classified by Districts, from Feb. 1, 1900, to Jan. 31, 1901.

DISTRICTS.	Repairs.	Snow.	Edgestone and Sidewalk Repairs.	Repairing Fences.	Repairing Plankwalks.	A. Miscellaneous.	B. In excess of Special Appropriation.	C. New Work, Paid from Maintenance.	Totals.
1. South Boston.....	\$7,864 92	\$2,488 00	\$9,332 46	\$580 14	\$909 90	.....	.....	.....	\$21,175 42
2. East Boston.....	9,318 51	1,775 40	6,700 09	1,233 89	415 98	.....	.....	.....	19,443 87
3. Charlestown.....	21,675 80	2,563 00	6,288 38	37 50	59 27	.....	.....	.....	30,623 95
4. Brighton.....	14,410 24	1,689 83	460 18	67 65	603 24	.....	\$1,170 29	..	18,401 43
5. West Roxbury.....	32,913 71	1,870 08	7,770 88	2,237 96	632 92	.....	7,330 18	.....	52,755 73
6. Dorchester.....	45,051 00	2,355 54	8,996 39	542 50	4,122 08	.....	13,702 37	.....	74,769 88
7. Roxbury.....	60,585 09	1,725 95	16,791 10	1,768 91	2,524 55	.....	26,848 22	.....	110,243 82
8. South End.....	16,835 40	5,893 63	7,983 82	202 38	2,517 32	.....	15,246 52	.....	48,679 07
9. Back Bay.....	22,089 97	1,913 19	6,496 02	332 41	1,287 90	.....	7,086 69	.....	39,206 18
10. North End.....	22,410 09	6,863 76	7,305 58	2 56	167 26	.....	3,653 61	\$5,859 78	46,262 64
						\$321,138 73	.....	.....	321,138 73
Totals	\$253,154 73	\$29,138 38	\$78,124 90	\$7,005 90	\$13,240 42	\$321,138 73	\$75,037 88	\$5,859 78	\$782,700 72

SCHEDULE A.

Salaries of Deputy Superintendent and office employees	\$15,597 27
Salaries of Permit Office employees	10,259 90
Salaries of Inspectors	7,729 53
Salaries of Engineers	9,194 73
Smoke inspection	3,135 52
Holidays	28,306 19
Signs and numbers	6,958 96
Furniture	59 00
Repairs to offices, stables, sheds, etc.	3,445 15
Printing and stationery	6,291 39
Gas	379 37
Messenger service	66 07
Wharfage and rent	11,330 54
Medical attendance on injured employees	147 01
Fuel and oil	2,370 99
Taxes	1,230 69
Advertising	378 20
Sundries	868 75
Expenses of yards and stables, including repairs to carts, harnesses and stables, and care of horses, etc.	\$164,519 94
Less amount earned by Division teams	79,804 75
	84,715 19
Veterinary services	1,565 48
Telephones	2,174 27
Artificial stone sidewalks	6,195 59
Street cleaning, suburban districts	34,328 58
Edgestones and sidewalks, new	14,784 47
Building new fences, etc.	948 89
Crossing repairs	9,203 45
Crossings (new)	5,582 45
Executions of court	2,695 95
Subway, Traverse street	1,412 12
Mosman crusher, construction	16,761 75
Engineering supplies	2,651 56
Kenney crusher, construction	10,779 60
Inspectors' badges	55 50
Boiler insurance	150 00
Stock	11,245 03
Stone crushers	11,405 36
	\$324,404 50
Less amount earned by steam rollers	3,265 77
	\$321,138 73

SCHEDULE B.

The following schedule shows the expenditure from the maintenance appropriation of this Division, in excess of special appropriations :

Street Improvements, Ward 10 :		
Norway street	\$464	35
Street Improvements, Ward 11 :		
Irving street	1,357	95
Pinckney street	2,295	66
Street Improvements, Ward 12 :		
Montgomery street	1,622	80
Street Improvements, Ward 16 :		
Massachusetts avenue, Edward Everett square to railroad	11,887	75
Quincy street	1,814	62
Street Improvements, Ward 17 :		
Massachusetts avenue, Railroad to Swett street, Swett street	6,685	34
	6,938	38
Street Improvements, Ward 18 :		
Greenwich street	814	54
Ruggles street	1,589	49
Shawmut avenue	1,599	15
Warwick street	3,063	52
Westminster street	2,298	03
Windsor street	1,866	97
Street Improvements, Ward 19 :		
Calumet street	8,897	27
Huntington avenue	6,622	34
Parker Hill avenue	2,770	54
Street Improvements, Ward 21 :		
Clifford street	1,489	35
Otisfield street	1,195	28
Wabon street	906	28
Washington street	357	80
Street Improvements, Ward 23 :		
Park street	2,722	87
Temple street	3,313	02
Washington street	1,294	29
Street Improvements, Ward 25 :		
Dustin street	371	87
Everett street	479	70
Parsons street	318	72
		<u>\$75,037</u>
		<u>88</u>

SCHEDULE C.

NEW WORK. — PAID FROM MAINTENANCE.

Myrtle street, Revere to Joy street, resurfaced and regulated.

Labor, teaming, and materials furnished by the	
City	\$1,526 29
Amount paid to Dennis Kiley, paving	681 50
Amount paid to Frank Bachelder, paving	315 90
	<u>\$2,523 69</u>

Park street, Beacon to Tremont street, sidewalk removed on one side and widened on the other.*

Labor, teaming, and materials furnished by the	
City	\$237 60
Amount paid to W. H. Glenn & Co., paving	3,098 49
	<u>\$3,396 09</u>

DETAIL OF EXPENDITURES UNDER SPECIAL APPROPRIATIONS.

Atlantic avenue, Oliver to Commercial street, repaved with large granite blocks on a concrete base with cement grout joints, and regulated (unfinished).

Labor, teaming, and materials furnished by the	
City	\$43,337 33
Amount paid to Jones & Meehan, paving	15,064 41
Amount paid to Dennis Kiley, paving	7,640 10
Amount paid to D. F. O'Connell, paving	1,378 54
	<u>\$67,420 38</u>

Beacon street, Arlington to Dartmouth street, asphalted and regulated (unfinished).

Labor, teaming, and materials furnished by the	
City	\$9,848 79
Amount paid to H. Gore & Co., paving	660 05
Amount paid to Boston Asphalt Company, asphalt-	
ing	18,453 50
	<u>\$28,962 34</u>

* Unfinished from 1899.

Boylston street, Arlington to Berkeley street, asphalted and regulated.

Labor, teaming and materials furnished by the City,	\$3,933 62
Amount paid to Boston Asphalt Company, asphalt- ing	10,221 25
	\$14,154 87

Buildings, Chelsea street.

Labor, teaming and materials, furnished by the City, erecting new buildings on Glendon Wharf, East Eagle street	\$9,048 34

Charles street, Fruit across Allen street, asphalted.

Amount retained from Barber Asphalt Paving Company for work done in 1899, under contract,	\$318 80

Commercial street, Fleet to Clinton street (work not stated).

Labor	\$92 38

Commercial street, Prince street across Eastern avenue, repaved with large granite blocks on a concrete base with cement grout joints and regulated (unfinished).

Labor, teaming and materials furnished by the City,	\$18,893 21
Amount paid to A. A. Libby & Co., paving	9,882 99
	\$28,776 20

Commonwealth avenue.

Amount paid by Executions of Court for labor claims against the Boston Contracting Company,	\$3,823 72
Labor	281 82
	\$4,105 54

Congress street, Atlantic avenue to the bridge.

Labor	\$40 64
Amount retained from Jones and Meehan, for work done in 1899, under contract	233 08
	\$273 72

Devonshire street, Water to State street, repaved with large granite blocks on a concrete base with pitch joints, and regulated.

Labor, teaming and materials furnished by the City,	\$4,817 85
Amount paid to Joseph B. O'Rourke, paving	2,121 53
<i>Carried forward</i>	\$6,939 38

<i>Brought forward</i>	\$6,939 38
Amount of appropriation for Devonshire street	\$6,500 00
Amount paid out of appropriation for Street Improvements, Ward 6	439 38
	<u>\$6,939 38</u>

Freeport street, Ward 24, retaining wall (unfinished).

Labor, teaming and materials furnished by the City,	\$834 77
Amount paid to Collins & Ham, building retaining wall	3,388 95
	<u>\$4,223 72</u>

Harrison avenue, Asylum to Davis street, asphaltting (work not started).

Advertising	\$6 66
Labor	5 50
	<u>\$12 16</u>

Neponset avenue, Adams to Minot street (work not started).

Labor	\$366 99
Advertising	5 00
	<u>\$371 99</u>

Oliver street, Atlantic avenue to Milk street, repaved with large granite blocks on a concrete base, with pitch joints, and regulated.

Labor, teaming and materials furnished by the City,	\$9,979 96
Amount paid to James Doherty, paving	13,220 04
	<u>\$23,200 00</u>
Amount of appropriation for Oliver street, Atlantic avenue to Milk street	<u>\$23,200 00</u>

Retaining wall, Marcella and Centre streets.

Labor, teaming and materials furnished by the City,	\$367 38
Amount paid to P. F. Donovan, building retaining wall	6,236 69
	<u>\$6,604 07</u>
Amount of appropriation for retaining wall, Marcella and Centre streets	\$2,492 40
Amount paid out of appropriation for Street Improvements, Ward 22	4,111 67
	<u>\$6,604 07</u>

Summer street, Washington to Federal street, repaved with large granite blocks on a concrete base with cement grout joints, and regulated.

Labor, teaming and materials furnished by the City,	\$9,631 07
Amount paid to Joseph B. O'Rourke, paving	8,220 09
	* \$17,851 16

Talbot avenue, Blue Hill avenue to Norfolk street, unfinished work from 1899.

Labor, teaming and materials furnished by the City,	\$1,093 37

Temple place, Washington to Tremont street, asphalted and regulated.

Labor, teaming and materials furnished by the City,	\$1,361 56
Amount paid to United States Paving Company,	
asphalting	3,861 27
	\$5,222 83

Tremont street, Court to Boylston street, roadway asphalted (wooden blocks laid on concrete base on westerly side between Temple and Hamilton place, and at the intersection with School and Beacon streets), sidewalks widened and regulated.

Labor, teaming and materials furnished by the City,	\$11,593 12
Amount paid to Barber Asphalt Paving Company,	
asphalting	35,107 65
Amount paid to United States Wood Preserving	
Company, laying wooden blocks	3,143 18
Amount paid to Simpson Brothers Corporation,	
artificial stone sidewalks	1,050 56
Amount paid to F. Bachelder, paving	451 60
	\$51,346 11

Charlestown street, Haymarket square to Causeway street, unfinished work from 1899.

Teaming and materials furnished by the City	\$233 91
Amount retained from Metropolitan Contracting	
Company, for work done in 1899, under con-	
tract	844 19
	\$1,078 10

* Five thousand nine hundred sixteen dollars and fifty-eight cents paid by Boston Elevated Railway Company.

ABOLISHMENT OF GRADE CROSSINGS.

Boston street and Dorchester avenue, labor . \$416 00

CHARLESTOWN BRIDGE.

Paving done on Commercial street, Hull to Prince street and
Causeway street, Prince to Medford street.

Labor, teaming and materials furnished by the City, \$2,792 66
Amount paid to H. Gore & Co., paving . . . 1,014 08

\$3,806 74

MALDEN BRIDGE.

Temporary roadway on Alford street.

Labor, teaming and materials furnished by the City, \$1,544 20
Amount paid to Boston Contracting Company, paving . . . 337 45

\$1,881 65

SOUTH UNION STATION.

Atlantic avenue and Dewey square, paved with large granite
blocks, on a concrete base, with pitch joints, and regulated.
(Unfinished work from 1899.)

Labor, teaming and materials furnished by the City, \$14,496 64
Amount paid to H. Gore & Co., paving . . . 14,060 34

* \$28,556 98

STREET IMPROVEMENTS, WARD 1.

Breed street, Gladstone to Leyden street, resurfaced and gut-
ters paved.

Labor, teaming and materials furnished by the City, \$201 50
Amount paid to Booth & Co., paving . . . 102 84
Amount paid to C. L. Ward, paving . . . 13 60

\$317 94

Brooks street, West Eagle to Condor street, resurfaced and
regulated.

Labor, teaming and materials furnished by the City, \$290 13
Amount paid to Booth & Co. . . . 248 77

\$538 90

* Eighteen thousand five hundred ninety three dollars and sixty-three cents paid
by Boston Elevated Railway Company.

Chelsea street, Eagle square to Curtis street, east side, regulated.

Teaming and materials furnished by the City	\$315 50
Amount paid to Booth & Co., paving	331 88
	\$647 38

Eutaw street, Meridian to Marion street, and Brooks to White street, macadamized and regulated.

Labor, teaming and materials furnished by the City, ...	\$1,283 69
Amount paid to Booth & Co., paving	931 80
	\$2,215 49

Lexington street, Prescott to Shelby street, macadamized and regulated.

Labor, teaming and materials furnished by the City, ...	\$2,086 88
Amount paid to Booth & Co., paving	691 30
	\$2,778 18

Marion street, White to Saratoga street, macadamized and regulated.

Labor, teaming and materials furnished by the City, ...	\$4,022 55
Amount paid to Booth & Co., paving	1,121 11
Amount paid to C. L. Ward, paving	281 51
	\$5,425 17

Meridian street, Trenton to Eutaw street, asphalted and regulated.

Labor, teaming and materials furnished by the City, ...	\$1,142 12
Amount paid to Jones & Meehan, asphaltting	1,589 63
Amount paid to Booth & Co., paving	120 23
	\$2,851 98

Monmouth street, Meridian to Marion street, resurfaced and regulated.

Labor, teaming and materials furnished by the City, ...	\$430 27
Amount paid to Booth & Co., paving	248 77
	\$679 04

Morris Street, near Putnam street, regulated.

Materials furnished by the City	\$22 25
Amount paid to Booth & Co., paving	31 99
	\$54 24

Princeton street, near Marion street, regulated.

Labor, teaming and materials furnished by the City,	\$220 85
Amount paid to C. L. Ward, paving	108 80
	<u>\$329 65</u>

Putnam street, White to Trenton street, near Putnam square, regulated.

Labor, teaming and materials furnished by the City,	\$248 12
Amount paid to Booth & Co., paving	207 56
Amount paid to C. L. Ward, paving	301 27
	<u>\$756 95</u>

Saratoga street, at Marion street, north side.

Labor and materials furnished by the City	\$143 40
Amount paid to C. L. Ward, paving	69 35
	<u>\$212 75</u>

Trenton street, Meridian to Brooks street, resurfaced and regulated; from Brooks to Prescott street, macadamized.

Labor, teaming and materials furnished by the City,	\$3,144 45
Amount paid to Booth & Co., paving	840 23
	<u>\$3,984 68</u>

White street, Putnam to Eutaw street, regulated.

Labor, teaming and materials furnished by the City,	\$106 32
Amount paid to Booth & Co., paving	106 38
	<u>\$213 20</u>

STREET IMPROVEMENTS, WARD 2.

Cottage street, Marginal to Maverick street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$3,143 88
Amount paid to Booth & Co., paving	1,160 39
	<u>\$4,304 27</u>

Henry street, Maverick square to Paris street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$212 23
Amount paid to C. L. Ward, paving	197 03
	<u>\$409 26</u>

Liverpool street, near Meridian street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$203 43
Amount paid to Booth & Co., paving	305 37
	\$508 80

Marginal street, repaired.

Labor, teaming and materials furnished by the City,	\$139 60

Paris street, Putnam to Brooks and Sumner to Meridian street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,287 93
Amount paid to C. L. Ward, paving	667 80
Amount paid to Booth & Co., paving	145 40
	\$3,101 13

Ruth street, fence repaired.

Labor	\$14 00

Winthrop street, Maverick square to Paris street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$140 30
Amount paid to C. L. Ward, paving	166 79
	\$307 09

STREET IMPROVEMENTS, WARD 3.

Ferrin street, Jackson to Edgeworth street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$320 50
Amount paid to P. Brennan & Co., paving	88 76
	\$409 26

High street, Pleasant to Walker street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,199 90
Amount paid to P. Brennan & Co., paving	1,051 83
	\$3,251 73

Amount paid out of appropriation for	
Street Improvements, Ward 3	\$2,671 49
Amount paid out of appropriation for	
Street Improvements, Ward 5	580 24
	\$3,251 73

Mt. Vernon street, entire length, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$865 85
Amount paid to P. Brennan & Co.	360 48

\$1,226 33

Amount paid out of appropriation for Street Improvements, Ward 3	\$654 58
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Amount paid out of appropriation for Street Improvements, Ward 5	571 75
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\$1,226 33

Pearl street, Medford to Bunker Hill street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,689 58
Amount paid to Boston Contracting Company, paving	434 16

\$2,123 74

Stone street, edgestone set.

Labor, teaming and materials furnished by the City,	\$66 33
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STREET IMPROVEMENTS, WARD 4.

Allston street, Bunker Hill to Medford street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,245 63
Amount paid to P. Brennan & Co., paving	343 11

\$1,588 74

Caldwell street, Main to Perkins street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,276 85
Amount paid to Boston Contracting Company, paving	397 02

\$1,673 87

STREET IMPROVEMENTS, WARD 5.

Chelsea street, City square to Mt. Vernon street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$3,326 86
Amount paid to Boston Contracting Company, paving	1,140 56

Carried forward \$4,467 42

<i>Brought forward</i>	\$4,467 42
Amount paid out of appropriation for Street Improvements, Ward 5,	\$4,272 42
Amount paid out of appropriation for Street Improvements, Ward 3	195 00
	<u>\$4,467 42</u>
Cordis street , regulated.	
Amount paid to P. Brennan & Co., paving	\$66 39
Gray street , resurfaced.	
Labor, teaming and materials furnished by the City,	\$1,131 39
Park street , Joiner street to City square (west side), repaved and regulated.	
Labor, teaming and materials furnished by the City,	\$269 40
Amount paid to Boston Contracting Company, paving	113 17
	<u>\$382 57</u>
Pleasant street , Main street to Monument square, resurfaced and regulated.	
Labor, teaming and materials furnished by the City,	\$1,345 08
Amount paid to P. Brennan & Co., paving	689 21
	<u>\$2,034 29</u>
STREET IMPROVEMENTS, WARD 6.	
Blackstone street , unfinished work from 1899.	
Amount retained from P. McGovern for work done in 1899, under contract	\$100 79
Central street , Broad to India street, repaved and regulated (unfinished).	
Labor, teaming and materials furnished by the City,	\$162 94
Charter street , Commercial street to Marshall place, resurfaced and regulated.	
Labor, teaming and materials furnished by the City,	\$696 58
Amount paid to Dennis Kiley, paving	388 91
	<u>\$1,085 49</u>
Congress square , asphalted.	
Amount paid to Barber Asphalt Paving Company, asphalting	\$820 93

Creek square, Blackstone to Union street, repaved with granite blocks on a concrete base with pitch joints, and regulated.

Labor, teaming and materials furnished by the City,	\$299 14
Amount paid to Frank Bachelder, paving	693 94
	<u>\$993 08</u>

Devonshire street, Milk to Water street.

Amount retained from Barber Asphalt Paving Company, for work done in 1899, under contract,	<u>\$157 73</u>
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Endicott street, Cooper to Thacher street.

Amount retained from Barber Asphalt Paving Company, for work done in 1899, under contract,	<u>\$180 87</u>
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Friend street, Merrimac to Washington street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$786 93
Amount paid to Dennis Kiley, paving	755 49
	<u>\$1,542 42</u>

Haverhill street, Traverse street to Haymarket square, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$739 67
Amount paid to Frank Bachelder, paving	1,251 20
	<u>\$1,990 87</u>

Merrimac street, Sudbury to Friend street, repaired.

Labor, teaming and materials furnished by the City,	\$96 37
Amount paid to Dennis Kiley, paving	211 04
	<u>\$307 41</u>

Pemberton square, repaired.

Labor	<u>\$186 50</u>
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Prince street, Salem street to 210 feet towards Hanover street, asphalted and regulated.

Labor, teaming and materials furnished by the City,	\$128 56
Amount paid to Jones & Meehan, asphaltting	1,569 67
	<u>\$1,698 23</u>

Sudbury street, Merrimac to Portland street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$466 16
Amount paid to Dennis Kiley, paving	385 32
	<u>\$851 48</u>

STREET IMPROVEMENTS, WARD 7.

Atlantic avenue, Oliver street to Dewey square, unfinished work from 1899.

Labor, teaming and materials furnished by the City,	\$138 21
Amount retained from Jones & Meehan for work done in 1899, under contract	250 69
Amount retained from P. McGovern, for work done in 1899, under contract	285 75
	<u>\$674 65</u>

Bosworth street, repaved with pitch joints and regulated.

Materials furnished by the City	\$69 66
Amount paid to F. Bachelder, paving	699 35
	<u>\$769 01</u>

Boylston street, Washington to Tremont street, repaved with pitch joints and regulated.

Teaming and materials furnished by the City, ...	\$19 00
Amount paid to F. Bachelder, paving	1,616 08
	<u>\$1,635 08</u>

Broadway, Washington to Curve street, repaved and regulated.

Labor, teaming and materials furnished by the City, ...	\$1,374 98
Amount paid to F. Bachelder, paving	1,477 22
	<u>\$2,852 20</u>

Devonshire street, near Franklin street, repaved with pitch joints.

Amount paid to F. Bachelder, paving	<u>\$622 70</u>
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Federal street, Atlantic avenue to Milk street.

Amount retained from P. McGovern for work done in 1899, under contract	<u>\$501 14</u>
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Harrison avenue, Kneeland to Bennet street.

Amount retained from Barber Asphalt Paving Company, for work done in 1899, under contract	\$166 37
Amount retained from P. McGovern, for work done in 1899, under contract	39 38
	<u>\$205 75</u>

Hawley street, Franklin to Summer street, repaved and regulated, unfinished.

Teaming and materials furnished by the City	\$68 90
Amount paid to James Doherty, paving	280 80
	\$349 70

Hayward place.

Amount retained from Boston Paving Company, for work done in 1898, under contract	\$83 42
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Kingston street, Beach to Essex street.

Amount retained from Boston Asphalt Company, for work done in 1899, under contract	\$295 25
Amount retained from H. Gore & Co., for work done in 1899, under contract	106 81
	\$402 06

Kneeland street, Atlantic avenue to Albany street, repaved and regulated, unfinished.

Labor, teaming and materials furnished by the City	\$455 29
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Mason street, from 450 feet west of West street to about 120 feet westerly.

Amount retained from Jones & Meehan, for work done in 1899, under contract	\$130 66
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Mason street, from Tremont street about 85 feet easterly, asphalted.

Teaming	\$50 00
Amount paid to Barber Asphalt Paving Company, ...	533 00
	\$583 00

Otis street, near Winthrop square, repaved with pitch joints.

Teaming and materials furnished by the City	\$45 85
Amount paid to F. Bachelder, paving	427 50
	\$473 35

Tremont street, Pleasant street to railroad bridge, repaved and regulated.

Labor, teaming and materials furnished by the City, ...	\$1,668 01
Amount paid to F. Bachelder, paving	1,626 96
	\$3,294 97

Repairing Asphalt Streets.

Amount paid to Barber Asphalt Paving Company, asphalting	<u>\$160 23</u>
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STREET IMPROVEMENTS, WARD 8.

Chambers street, Cambridge to Green street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,010 87
Amount paid to Dennis Kiley, paving	924 57

\$1,935 44

Leverett street, Causeway street to Craigie's bridge.

Amount retained from Jones & Meehan, for work done in 1899, under contract	<u>\$106 89</u>
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Milton street, Brighton to Spring street.

Amount retained from Jones & Meehan, for work done in 1899, under contract	<u>\$49 98</u>
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Norman street, Merrimac to Green street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,378 58
Amount paid to Dennis Kiley, paving	450 13

\$1,828 71

Pitts street, Merrimac to Green street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,019 81
Amount paid to Dennis Kiley, paving	603 05

\$1,622 86

South Margin street, Pitts to Staniford street, repaved and regulated.

Labor, teaming, and materials furnished by the City	\$694 40
Amount paid to Dennis Kiley, paving	713 50

\$1,407 90

STREET IMPROVEMENTS, WARD 9.

Compton street, Washington to Tremont street, repaved and regulated.

Labor, teaming and materials furnished by the City.	\$1,465 95
Amount paid to F. Bachelder, paving	2,246 84

\$3,712 79

Dover street, Albany street to bridge, repaved and regulated.

Labor, teaming and materials furnished by the City.	\$441 39
Amount paid to F. Bachelder, paving	536 12

\$977 51

Genesee and Oswego streets.

Amount retained from Jones & Meehan, for work done in 1899, under contract	\$332 21.
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Lehigh street, repaved.

Labor, teaming and materials furnished by the City.	\$171 35
Amount paid to F. Bachelder, paving	421 62

\$592 97

Rollins street, resurfaced and regulated.

Labor, teaming and materials furnished by the City	\$962 62
Amount paid to F. Bachelder, paving	174 52

\$1,137 14

Savoy street, repaved and regulated.

Labor, teaming and materials furnished by the City.	\$245 95
Amount paid to F. Bachelder, paving	391 80

\$637 75

Union Park street, Washington to Tremont street, macadamized and regulated.

Labor, teaming and materials furnished by the City.	\$5,172 27
Amount paid to F. Bachelder, paving	1,790 21

\$6,962 48

STREET IMPROVEMENTS, WARD 10.

Batavia street, St. Stephen to Hemenway street, macadamized and regulated.

Labor, teaming and materials furnished by the City	\$1,660 61
Amount paid to E. S. Fogerty, paving	955 93

\$2,616 54

Cazenove street, macadamized and regulated.

Labor, teaming and materials furnished by the City.	\$674 99
Amount paid to F. Bachelder, paving	320 43

\$995 42

Clarendon street, Tremont street to Columbus avenue, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$4,988 34
Amount paid to F. Bachelder, paving	1,391 07
	\$6,379 41

Columbus avenue, Boston & Albany Railroad bridge, to Massachusetts avenue, asphalt repaired.

Amount paid to Barber Asphalt Paving Company, asphaltting	\$540 65

Dartmouth street, near Columbus avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$390 22
Amount paid to F. Bachelder, paving	117 35
	\$507 57

Gray street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$1,030 38
Amount paid to F. Bachelder, paving	506 71
	\$1,537 09

Haviland street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$1,600 40
Amount paid to E. S. Fogerty, paving	240 73
	\$1,841 13

Lawrence street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,290 18
Amount paid to F. Bachelder, paving	1,091 12
	\$3,381 30

Massachusetts avenue, Beacon street to New York, New Haven & Hartford Railroad bridge, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$8,315 83
Amount paid to E. S. Fogerty, paving	556 04
	\$8,871 87

Amount paid out of appropriation for Street Improvements, Ward 10	\$5,419 95
Amount paid out of appropriation for Street Improvements, Ward 11	3,451 92
	\$8,871 87

Norway street, Massachusetts avenue to Falmouth street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$799 83
Amount paid to E. S. Fogerty, paving	578 36
	\$1,378 19

Amount paid out of appropriation for

Street Improvements, Ward 10 \$913 84

Amount paid out of appropriation for

Paving Division 464 35

\$1,378 19

St. Stephen street, Massachusetts avenue to Gainsborough street, westerly side, regulated.

Gravel	\$135 00
Amount paid to E. S. Fogerty, paving	250 65
	\$385 65

Stanhope street, resurfaced.

Labor, teaming and materials furnished by the City,	\$279 70

STREET IMPROVEMENTS, WARD 11.

Anderson street, Cambridge to Pinckney street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,473 98
Amount paid to F. Bachelder, paving	803 21
	\$2,277 19

Beacon street, Massachusetts avenue to Charlesgate, resurfaced and regulated.

Labor, and materials furnished by the city	\$792 93
Amount paid to E. S. Fogerty, paving	1,591 51
	\$2,384 44

Beacon street, Dartmouth street to Massachusetts avenue, repairing asphalt.

Amount paid to Barber Asphalt Paving Company, asphaltting	\$720 52

Commonwealth avenue, Beacon to St. Mary's street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$838 96
Amount paid to E. S. Fogerty, paving	1,493 18
	\$2,332 14

Garden street, Cambridge to Myrtle street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,336 28
Amount paid to F. Bachelder, paving	692 20
	\$2,028 48

Grove street, Cambridge to Myrtle street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,009 07
Amount paid to F. Bachelder, paving	742 88
	\$1,751 95

Irving street, Cambridge to Myrtle street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,454 87
Amount paid to F. Bachelder, paving	713 69
	\$2,168 56

Amount paid out of appropriation for Street Improvements, Ward 11	\$810 61	
Amount paid out of appropriation for Paving Division	1,357 95	
		\$2,168 56

Joy street, Cambridge to Beacon street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,269 19
Amount paid to F. Bachelder, paving	1,512 79
	\$3,781 98

Phillips street, W. Cedar to Irving street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,335 13
Amount paid to F. Bachelder, paving	849 68
	\$2,184 81

Pinckney street, Charles to Joy street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,874 82
Amount paid to F. Bachelder, paving	1,372 05
<i>Carried forward</i>	\$3,246 87

<i>Brought forward</i>		\$3,246 87
Amount paid out of appropriation for		
Street Improvements, Ward 11	\$951 21	
Amount paid out of appropriation for		
Paving Division	2,295 66	
		\$3,246 87

Revere street, Charles to Irving street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,779 90
Amount paid to F. Bachelder, paving	544 85
	\$2,324 75

STREET IMPROVEMENTS, WARD 12.

Claremont park, Columbus avenue to railroad, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,091 43
Amount paid to F. Bachelder, paving	493 65
	\$2,585 08

James street, East Brookline to East Concord street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,501 94
Amount paid to F. Bachelder, paving	995 65
	3,497 59

Massachusetts avenue, Washington to Tremont street (north side), resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,720 71
Amount paid to F. Bachelder, paving	1,047 98
	\$3,768 69

Montgomery street, Tremont to West Canton street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,759 94
Amount paid to F. Bachelder, paving	1,344 07
	\$5,104 01

Amount paid out of appropriation for		
Street Improvements, Ward 12	\$3,481 21	
Amount paid out of appropriation for		
Paving Division	1,622 80	
		\$5,104 01

West Newton street, Shawmut avenue to New York, New Haven and Hartford Railroad bridge, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$10,714 99
Amount paid to F. Bachelder, paving	689 12
	<u>\$11,404 11</u>

Repairing Asphalt streets.

Amount paid to Barber Asphalt Paving Company, asphaltting	<u>\$263 32</u>
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STREET IMPROVEMENTS, WARD 13.

Bolton street, D to E street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$809 99
Amount paid to Richard H. Houghton, paving	218 59
	<u>\$1,028 58</u>

Broadway, Dorchester avenue towards Foundry street (unfinished).

Labor	<u>\$84 20</u>
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Dorchester avenue, Railroad crossing to Andrew square, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$2,056 50
Amount paid to Barnes, Ruffin Company, paving	3,428 98
	<u>\$5,485 48</u>

STREET IMPROVEMENTS, WARD 14.

Dorchester street, Broadway to Third street, repaved.

Labor, teaming and materials furnished by the City,	\$427 42
Amount paid to Barnes, Ruffin Company, paving	536 94
	<u>\$964 36</u>

East Fourth street, N to P street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$984 30
Amount paid to Benj. M. Cram, paving	\$1,816 44
	<u>\$2,800 74</u>

East Third street, Dorchester to Emerson street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$220 21
Amount paid to Barnes, Ruffin Company, paving .	650 16
	\$870 37

East Third street, N to O street, regulated (unfinished).

Labor, teaming and materials furnished by the City,	\$489 69

Emerson street, K to M street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,166 18
Amount paid to R. C. Brown, paving	516 49
	\$2,682 67

Emerson street, Dorchester to East Third street, resurfaced and regulated, and from East Third to H street repaved and regulated.

Labor, teaming and materials furnished by the City,	\$297 50
Amount paid to Barnes, Ruffin Company, paving .	262 38
	\$559 88

H street, East Third to East Fifth street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,394 85
Amount paid to Redmond McDonough, paving .	839 06
	\$2,233 91

I street, East Broadway to East Fourth street, asphalt repaired.

Amount paid to Barber Asphalt Paving Company, asphaltting	\$270 98

L street, East Broadway to East First street, resurfaced and regulated; East First street to bridge, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$3,147 88
Amount paid to Benj. M. Cram, paving	2,908 62
	\$6,056 50

M street, East Broadway to East Eighth street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,679 54
Amount paid to Benj. M. Cram, paving	1,581 33
	\$4,260 87

N street, East Broadway to East Fifth street, resurfaced and regulated, unfinished.

Labor	\$198 20
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STREET IMPROVEMENTS, WARD 15.

East Fourth street, Dorchester to H street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,309 95
Amount paid to R. H. Houghton, paving	1,043 18

\$4,353 13

East Sixth street, G to H street, macadamized, gutters paved, edgestone set, brick sidewalks laid (unfinished).

Labor, teaming and materials furnished by the City,	\$2,540 47
Amount paid to Redmond McDonough, paving . .	838 85

\$3,379 32

Amount paid out of appropriation for Street Improvements, Ward 15,	\$2,283 30
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Amount paid out of appropriation for Street Improvements, Ward 14,	1,096 02
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\$3,379 32

G street, East Fourth to Story street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,890 67
Amount paid to Benj. M. Cram, paving	426 34

\$2,317 01

Linden street, Thomas park to East Fourth street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,479 53
Amount paid to R. H. Houghton, paving	255 76

\$1,735 29

Old Harbor street, Dorchester to East Ninth street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,859 99
Amount paid to R. H. Houghton, paving	960 73

\$4,820 72

Pacific street, Thomas park to East Fourth street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$816 31
Amount paid to Benj. M. Cram, paving	204 72

\$1,021 03

STREET IMPROVEMENTS, WARD 16.

Brookford street, corner Rand street, repaved.

Labor, teaming and materials furnished by the City,	\$1,002 96
Amount paid to A. A. Libby & Co., paving . . .	161 42
	\$1,164 38

Folsom street and Robin Hood street, constructed and regulated.

Labor, teaming and materials furnished by the City,	\$448 30
Amount paid to T. O'Leary, excavating . . .	1,550 00
Amount paid to D. F. O'Connell, paving . . .	102 81
	\$2,101 11

Howell street, Dorchester avenue to Boston street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$238 97
Amount paid to R. H. Houghton, paving . . .	429 24
	\$668 21

Julian street, repaired.

Labor, teaming and materials furnished by the City,	\$119 00
Amount paid to A. A. Libby & Co., paving . . .	92 63
	\$211 63

Magnolia street, Quincy street to Lawrence avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$600 27
Amount paid to D. F. O'Connell, paving . . .	210 00
	\$810 27

Massachusetts avenue, Edward Everett square to Swett street, graded and macadamized, gutters paved, edgestone set, gravel sidewalks built, and fences built.

Labor, teaming and materials furnished by the City,	\$35,303 48
Amount paid to D. F. O'Connell, paving . . .	894 14
Amount paid to F. Bachelder, paving . . .	977 60
	\$37,175 22

Amount paid out of appropriation for

Street Improvements, Ward 16 . . . \$8,563 10

<i>Carried forward</i> . . .	\$8,563 10	\$37,175 22
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<i>Brought forward</i>	\$8,563 10	\$37,175 22
Amount paid out of appropriation for Street Improvements, Ward 17	10,039 03	
Amount paid out of appropriation for Paving Division	18,573 09	
		<u>\$37,175 22</u>

Mayfield street, artificial stone sidewalks repaired.

Amount paid to W. A. Murtfeldt Co.	<u>\$471 36</u>
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Quincy street, Blue Hill avenue to Columbia road, macadamized, edgestone set, gutters paved, and sidewalks laid.

Labor, teaming and materials furnished by the City,	\$12,988 01
Amount paid to D. F. O'Connell, paving	1,742 15
	\$14,730 16

Amount paid out of appropriation for Street Improvements, Ward 16	\$11,009 94
Amount paid out of appropriation for Street Improvements, Ward 20	1,905 60
Amount paid out of appropriation for Paving Division	1,814 62
	<u>\$14,730 16</u>

STREET IMPROVEMENTS, WARD 17.

Albany street, at Randall street, repaved.

Labor, teaming and materials furnished by the City,	\$215 88
Amount paid to A. A. Libby & Co., paving	286 82
	<u>\$502 70</u>

Batchelder street, corner Burrell street, repaved.

Labor, teaming and materials furnished by the City,	\$206 86
Amount paid to A. A. Libby & Co., paving	126 57
	<u>\$333 43</u>

Dunmore and Magazine streets, around St. Patrick's Church, macadamized, edgestone set, gutters paved.

Labor, teaming and materials furnished by the City,	\$873 13
Amount paid to A. A. Libby & Co., paving	212 08
	<u>\$1,085 21</u>

Northampton street, Albany street to Harrison avenue, repaved and regulated (unfinished).

Labor, teaming and materials furnished by the City,	<u>\$1,276 33</u>
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Palmer street, Harrison avenue to Eustis street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$884 36
Amount paid to A. A. Libby & Co., paving . . .	1,118 67
	\$2,003 03

Swett street, Massachusetts avenue to railroad bridge resurfaced, Massachusetts avenue to Albany street repaved and regulated.

Labor, teaming and materials furnished by the City,	\$8,182 91
Amount paid to A. A. Libby & Co., paving . . .	2,544 72
	\$10,727 63

Washington street, at Marvin street, repaved.

Materials furnished by the City	\$44 60
Amount paid to A. A. Libby & Co., paving . . .	64 31
	\$108 91

Winthrop street, Warren to Greenville street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,831 26
Amount paid to A. A. Libby & Co., paving . . .	877 86
	\$3,709 12

STREET IMPROVEMENTS, WARD 18.

Columbus avenue, Camden street to Roxbury crossing, regulated.

Labor, teaming and materials furnished by the City,	\$1,598 16
Amount paid to A. A. Libby & Co., paving . . .	3,337 31
	\$4,935 47

Amount paid out of appropriation for Street Improvements, Ward 18	\$3,323 19
Amount paid out of appropriation for Street Improvements, Ward 19	1,313 65
Amount paid out of appropriation for Street Improvements, Ward 22	298 63
	\$4,935 47

Greenwich street, Westminster to Warwick street, resurfaced and regulated.

Labor, teaming and material furnished by the City,	\$1,962 37
Amount paid to A. A. Libby & Co., paving . . .	461 43

Carried forward \$2,423 80

<i>Brought forward</i>	\$2,423 80
Amount paid out of appropriation for	
Street Improvements, Ward 18 . . .	\$1,609 26
Amount paid out of appropriation for	
Paving Division	814 54
	<u>\$2,423 80</u>

Hampshire street, Cabot to Whittier street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,034 68
Amount paid to A. A. Libby & Co., paving . . .	342 42
	<u>\$1,377 10</u>

Marble street, Warwick to Westminster street (south-west side) regulated.

Labor, teaming and materials furnished by the City,	\$551 49
Amount paid to A. A. Libby & Co., paving . . .	299 53
	<u>\$851 02</u>

Marvin street, Washington street to Shawmut avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$623 05
Amount paid to A. A. Libby & Co., paving . . .	197 93
	\$820 98

Amount paid out of appropriation for	
Street Improvements, Ward 18	\$542 05
Amount paid out of appropriation for	
Street Improvements, Ward 17	278 93
	<u>\$820 98</u>

Ruggles street, Washington to Tremont street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$6,671 82
Amount paid to A. A. Libby & Co., paving . . .	2,041 23
	\$8,713 05

Amount paid out of appropriation for	
Street Improvements, Ward 18	\$7,123 56
Amount paid out of appropriation for	
Paving Division	1,589 49
	<u>\$8,713 05</u>

Shawmut avenue, Ruggles to Roxbury street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,925 90
Amount paid to A. A. Libby & Co., paving . . .	1,893 81

<i>Carried forward</i>	\$3,819 71
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<i>Brought forward</i>		\$3,819 71
Amount paid out of appropriation for Street Improvements, Ward 18	\$346 50	
Amount paid out of appropriation for Street Improvements, Ward 17	1,874 06	
Amount paid out of appropriation for Paving Division	1,599 15	
		<u>\$3,819 71</u>

Sussex street, Warwick to Westminster street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$255 80
Amount paid to A. A. Libby & Co., paving	177 44
	<u>\$433 24</u>

Warwick street, Ruggles to Hammond street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$4,036 87
Amount paid to A. A. Libby & Co., paving	1,444 08
	\$5,480 95
Amount paid out of appropriation for Street Improvements, Ward 18	\$2,417 43
Amount paid out of appropriation for Paving Division	3,063 52
	<u>\$5,480 95</u>

Westminster street, Ruggles to Hammond street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,036 53
Amount paid to A. A. Libby & Co., paving	1,069 81
	\$4,106 34
Amount paid out of appropriation for Street Improvements, Ward 18	\$1,808 31
Amount paid out of appropriation for Paving Division	2,298 03
	<u>\$4,106 34</u>

Weston street, Cabot to Warwick street, resurfaced.

Materials furnished by the City	\$8 07
Amount paid to A. A. Libby & Co., paving	181 99
	<u>\$190 06</u>

Whittier street, Tremont to Cabot street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,267 12
Amount paid to A. A. Libby & Co., paving	653 38

\$1,920 50

Windsor street, Warwick street to Shawmut avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,933 42
Amount paid to A. A. Libby & Co., paving	991 33

\$4,924 75

Amount paid out of appropriation for	
Street Improvements, Ward 18	\$3,057 78
Amount paid out of appropriation for	
Paving Division	1,866 97

\$4,924 75

STREET IMPROVEMENTS, WARD 19.

Brookline avenue, Boston & Albany Railroad bridge to
Boylston street, resurfaced and gutters relaid.

Labor, teaming and materials furnished by the City,	\$2,010 20
Amount paid to E. S. Fogerty, paving	630 00

\$2,640 20

Calumet street, Pequot to St. Alphonsus street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$8,014 65
Amount paid to A. A. Libby & Co., paving	1,567 62

\$9,582 27

Amount paid out of appropriation for	
Street Improvements, Ward 19	\$685 00
Amount paid out of appropriation for	
Paving Division	8,897 27

9,582 27

Heath street, Huntington to Columbus avenue resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$9,275 57
Amount paid to A. A. Libby & Co., paving	406 93

\$9,682 50

Huntington avenue, Gainsborough to Francis street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$9,631 56
Amount paid to E. S. Fogerty, paving	2,985 56

\$12,617 12

Amount paid out of appropriation for	
Street Improvements, Ward 19	\$5,793 03

Amount paid out of appropriation for	
Paving Division	6,622 34

Amount paid out of appropriation for	
Street Improvements, Ward 10	201 75

\$12,617 12

Parker street, Tremont street to Parker Hill avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,431 37
Amount paid to A. A. Libby & Co., paving	2,606 27

\$6,037 64

Amount paid out of appropriation for	
Street Improvements, Ward 19	\$4,125 37

Amount paid out of appropriation for	
Street Improvements, Ward 22	1,912 27

\$6,037 64

Parker Hill avenue, Hillside to Darling and Parker to Calumet street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,913 04
Amount paid to A. A. Libby & Co., paving	989 38

\$3,902 42

Amount paid out of appropriation for	
Street Improvements, Ward 19	\$314 00

Amount paid out of appropriation for	
Street Improvements, Ward 22	817 88

Amount paid out of appropriation for	
Paving Division	2,770 54

\$3,902 42

Terrace street, repaved.

Amount paid to A. A. Libby & Co., paving	\$446 25
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STREET IMPROVEMENTS, WARD 20.

Blue Hill avenue, Intervale street to Lawrence avenue, paved with large granite blocks, and regulated. (Unfinished.)

Labor, teaming and materials furnished by the City,	\$5,404 92
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Chamberlain street, Harvard to Algonquin street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$134 33
Amount paid to D. F. O'Connell, paving . . .	353 69

\$488 02

Dorchester avenue, Van Winkle to Richmond street, repaved and regulated.

Amount paid to D. F. O'Connell, paving . . .	\$2,191 27
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Glenway street, Blue Hill avenue to Harvard street, macadamized, edgestone set, gutters paved.

Labor, teaming and materials furnished by the City,	\$6,028 06
Amount paid to D. F. O'Connell, paving . . .	1,460 76

\$7,488 82

Grampian way, resurfaced.

Labor, teaming and materials furnished by the City,	\$168 25
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Lawrence avenue, Blue Hill avenue to Magnolia street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,634 66
Amount paid to D. F. O'Connell, paving . . .	762 07

\$2,396 73

Park street, Waldeck to Washington street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,790 97
Amount paid to D. F. O'Connell, paving . . .	400 16

\$3,191 13

Savin Hill avenue, Dorchester avenue to railroad bridge, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,722 37
Amount paid to D. F. O'Connell, paving . . .	1,036 96

\$3,759 33

Stoughton street, at Cemetery, laying new brick sidewalks.

Materials furnished by the City	\$276 00
Amount paid to D. F. O'Connell, paving . . .	95 25

\$371 25

Willis street, from Pleasant street, edgestone set
and sidewalks laid.

Materials furnished by the City	\$182 33
Amount paid to D. F. O'Connell, paving . .	102 79
	<u>\$285 12</u>

STREET IMPROVEMENTS, WARD 21.

Bartlett street, near Washington street, resurfaced. (Un-
finished.)

Labor and teaming furnished by the City . . .	<u>\$388 10</u>
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Blue Hill avenue, at Maywood street, repaved.

Labor, teaming and materials furnished by the City,	\$179 00
Amount paid to A. A. Libby & Co., paving . .	52 46
	<u>\$231 46</u>

Brunswick street, Warren street to Blue Hill avenue, resur-
faced and regulated.

Labor, teaming and materials furnished by the City,	\$1,236 13
Amount paid to A. A. Libby & Co., paving . .	253 53
	<u>\$1,489 66</u>

Clifford street, Warren street to Blue Hill avenue, resurfaced
and regulated.

Labor, teaming and materials furnished by the City,	\$5,044 90
Amount paid to A. A. Libby & Co., paving . .	1,296 59
	<u>\$6,341 49</u>

Amount paid out of appropriation for

Street Improvements, Ward 21 . . \$4,852 14

Amount paid out of appropriation for

Paving Division 1,489 35

\$6,341 49

Crawford street, Humboldt avenue to Elm Hill avenue, resur-
faced and regulated.

Labor, teaming and materials furnished by the City.	\$746 26
Amount paid to A. A. Libby & Co., paving . .	995 07
	<u>\$1,742 33</u>

Harold street, near Harrishof street, resurfaced.

Labor, teaming and materials furnished by the City,	\$166 40
Amount paid to A. A. Libby & Co., paving . .	43 22
	<u>\$209 62</u>

Harrishof street, near Harold street, resurfaced.

Labor, teaming and materials furnished by the City,	\$883 77
Amount paid to A. A. Libby & Co., paving .	210 66
	\$1,094 43

Hewes street, Rockland to Regent street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$38 57
Amount paid to A. A. Libby & Co., paving .	204 08
	\$242 65

Hollander street, near Harold street, resurfaced.

Labor, teaming and materials furnished by the City,	\$435 67

Howland street, Elm Hill avenue to Humboldt avenue.

Labor, teaming and materials furnished by the City,	\$244 11
Amount paid to A. A. Libby & Co., paving .	679 07
	\$923 18

Humboldt avenue, Townsend to Hollander street, rock blasted and resurfaced.

Labor, teaming and materials furnished by the City,	\$512 60
Amount paid to Thomas O'Leary, blasting .	1,056 00
Amount paid to A. A. Libby & Co., paving .	48 67
	\$1,617 27

Otisfield street, Blue Hill avenue to Gaston street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$3,333 67
Amount paid to A. A. Libby & Co., paving .	375 51
	\$3,709 18

Amount paid out of appropriation for

Street Improvements, Ward 21 . \$2,513 90

Amount paid out of appropriation for

Paving Division . . . 1,195 28

\$3,709 18

St. James street, Warren to Washington street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,600 25
Amount paid to A. A. Libby & Co., paving .	1,030 08
	\$2,630 33

Sunderland street, near Warren street, edgestones set, gutters paved.

Materials furnished by the City	\$125 41
Amount paid to A. A. Libby & Co., paving	144 31
	\$269 72

Wabon street, Warren to Wabeno street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,359 45
Amount paid to A. A. Libby & Co., paving	878 33
	\$3,237 78

Amount paid out of appropriation for

Street Improvements, Ward 21 . . . \$2,331 50

Amount paid out of appropriation for

Paving Division 906 28

\$3,237 78

Washington street, Guild to Dale street, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$1,389 88
Amount paid to A. A. Libby & Co., paving	1,921 19
	\$3,311 07

Amount paid out of appropriation for

Street Improvements, Ward 21 . . . \$2,953 27

Amount paid out of appropriation for

Paving Division 357 80

\$3,311 07

Waumbeck street, resurfaced.

Labor, teaming and materials furnished by the City,	<u>\$377 03</u>
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Waverley street, resurfaced.

Labor, teaming and materials furnished by the City,	<u>\$697 74</u>
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STREET IMPROVEMENTS, WARD 22.

Bickford street, Heath to Centre street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,646 65
Amount paid to A. A. Libby & Co., paving	1,093 20
	\$3,739 85

Cornwall street, Washington street to Brookside avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$424 65
Amount paid to S. D. Payson, paving	195 60
	<u>\$620 25</u>

Lamartine street, Paul Gore to Green street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$605 67
Amount paid to S. D. Payson, paving	467 92
	<u>\$1,073 59</u>

Oakdale street, resurfaced.

Amount paid to S. D. Payson, paving	<u>\$165 75</u>
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School street, resurfaced, unfinished.

Labor, teaming and materials furnished by the City,	<u>\$21 98</u>
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Washington street, Townsend street to Columbus avenue, repaved and regulated.

Labor, teaming and materials furnished by the City,	\$3,945 86
Amount paid to A. A. Libby & Co., paving	1,525 49
	<u>\$5,471 35</u>

Westminster avenue, repaved,

Amount paid to A. A. Libby & Co., paving	<u>\$210 38</u>
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STREET IMPROVEMENTS, WARD 23.

Anawan avenue, Beech street to Central station, gutters paved.

Labor, teaming and materials furnished by the City,	\$145 27
Amount paid to S. D. Payson, paving	112 80
	<u>\$258 07</u>

Beech street, Poplar to Colberg street, resurfaced.

Labor, teaming and materials furnished by the City,	\$848 71
Amount paid to S. D. Payson, paving	24 00
	<u>\$872 71</u>

Centre street, Walter street to Green Hill avenue, repaved.

Labor, teaming and materials furnished by the City,	\$70 15
Amount paid to S. D. Payson, paving	371 20
	<u>\$441 35</u>

Corey street, Centre to Weld street, resurfaced.

Labor, teaming and materials furnished by the City,	\$113 13
Amount paid to S. D. Payson, paving	277 65
	\$390 78

Dale street, Poplar street to Hyde Park line, resurfaced.

Labor, teaming and materials furnished by the City,	641 75
Amount paid to S. D. Payson, paving	24 00
	\$665 75

Forest Hills street, resurfaced.

Materials furnished by the City	\$8 80
Amount paid to S. D. Payson, paving	327 60
	\$336 40

Green street, resurfaced.

Teaming and materials furnished by the City . .	\$15 00
Amount paid to S. D. Payson, paving	233 88
	\$248 88

Harvard street, Ashland to Morton street, resurfaced.

Labor, teaming and materials furnished by the City,	<u>\$785 00</u>
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Hastings street, resurfaced.

Materials furnished by the City	46 07
Amount paid to S. D. Payson, paving	410 00
	\$456 07

Hyde Park avenue, resurfaced.

Teaming and materials furnished by the City . .	\$55 00
Amount paid to S. D. Payson, paving	28 50
	\$83 50

LaGrange street, Centre to Pleasant street, resurfaced.

Labor, teaming and materials furnished by the City,	\$280 08
Amount paid to S. D. Payson, paving	369 35
	\$649 43

Park street, Centre to Oriole street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$4,231 79
Amount paid to S. D. Payson, paving	883 14

Carried forward \$5,114 93

<i>Brought forward</i>	\$5,114 93
Amount paid out of appropriation for Street Improvements, Ward 23	\$2,392 06
Amount paid out of appropriation for Paving Division	2,722 87
	<u>\$5,114 93</u>
Perkins street , widened and resurfaced.	
Labor, teaming and materials, furnished by the City,	\$753 87
Amount paid to S. D. Payson, paving	21 75
	\$775 62
Amount paid out of appropriation for Street Improvements, Ward 23	\$442 00
Amount paid out of appropriation for Street Improvements, Ward 22	333 62
	<u>\$775 62</u>
Prospect avenue , resurfaced.	
Amount paid to S. D. Payson, paving	\$126 75
St. Rose street , from Jamaica street, macadamized and regulated.	
Labor, teaming and materials, furnished by the City,	\$1,326 13
Amount paid to S. D. Payson, paving	222 20
	<u>\$1,548 33</u>
Seaverns avenue , repaved.	
Amount paid to S. D. Payson, paving	\$899 01
Spring street , Cass to Centre street, resurfaced.	
Materials furnished by the City	\$211 23
Amount paid to S. D. Payson, paving	385 20
	<u>\$596 43</u>
Temple street , Ivory to Mt. Vernon street, macadamized and regulated.	
Labor, teaming, and materials furnished by the City,	\$8,869 16
Amount paid to S. D. Payson, paving	876 00
	\$9,745 16
Amount paid out of appropriation for Street Improvements, Ward 23	\$6,432 14
Amount paid out of appropriation for Paving Division	3,313 02
	<u>\$9,745 16</u>

Wachusett street, from Walk Hill street, resurfaced.

Labor, teaming and materials furnished by the City,	\$378 82
Amount paid to S. D. Payson, paving	120 90

\$499 72

Washington street, Forest Hills to Ashland street, resurfaced and regulated.

Labor, teaming and materials, furnished by the City,	\$5,959 81
Amount paid to S. D. Payson, paving	2,138 10

\$8,097 91

Amount paid out of appropriation for

Street Improvements, Ward 23 . \$6,803 62

Amount paid out of appropriation for

Paving Division 1,294 29

\$8,097 91

Williams street, resurfaced.

Amount paid to S. D. Payson, paving	\$72 00
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STREET IMPROVEMENTS, WARD 24.

Adams street, Neponset avenue to Granite avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$5,580 91
Amount paid to D. F. O'Connell, paving	3,022 60

\$8,603 51

Ashmont street, Adams street to Dorchester avenue, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$347 35
Amount paid to D. F. O'Connell, paving	731 55

\$1,078 90

Bailey street, Washington street to Dorchester avenue, resurfaced.

Labor, teaming and materials furnished by the City,	\$635 70
Amount paid to D. F. O'Connell, paving	1,444 14

\$2,079 84

Bushnell street, Beale to Weyanoke street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$692 02
Amount paid to D. F. O'Connell, paving	368 14

\$1,060 16

Mather street, Dorchester avenue to Allston street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,903 09
Amount paid to D. F. O'Connell, paving	710 20

\$2,613 29

Amount paid out of appropriation for
Street Improvements, Ward 24 . \$1,838 70

Amount paid out of appropriation for Street Improvements, Ward 20 .	774 59
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\$2,613 29

River street, Washington street to Central avenue, resurfaced.

Labor, teaming and materials furnished by the City,	\$678 55
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School street, plankwalk laid, unfinished.

Lumber	\$38 17
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Washington street, Codman street to Talbot avenue, resurfaced.

Labor, teaming and materials furnished by the City,	\$1,691 23
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Wessex street, Weyanoke to Codman street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,200 97
Amount paid to D. F. O'Connell, paving	71 60

\$1,272 57

STREET IMPROVEMENTS, WARD 25.

Bennett street, from Parsons street, new gutters on one side.

Labor, teaming and materials furnished by the City,	\$102 82
Amount paid to James Doherty, paving	75 00

\$177 82

Bentley street, Sparhawk to Henshaw street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,044 79
Amount paid to James Doherty, paving	181 26

\$2,226 05

Brooks-street bridge.

Amount retained from Boston & Albany R.R. Co.
from 1899

\$5,503 32

Chestnut Hill avenue, Beacon street to Commonwealth avenue, gutters relaid.

Labor, teaming and materials furnished by the City,	\$103 38
Amount paid to James Doherty, paving . . .	142 40

\$245 78

Commonwealth avenue, St. Mary's to St. Paul street, regulated

Amount paid to James Doherty, paving . . .	\$995 88
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Dunboy street, Faneuil to Bigelow street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,908 54
Amount paid to James Doherty, paving . . .	418 80

\$2,327 34

Dustin street, Beacon to Garden street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$968 02
Amount paid to James Doherty, paving . . .	355 60

\$1,323 62

Amount paid out of appropriation for Street Improvements, Ward 25 . . .	\$951 75
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Amount paid out of appropriation for Paving Division	371 87
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\$1,323 62

Elko street, new dish gutter.

Teaming and materials furnished by the City . . .	\$41 73
Amount paid to James Doherty, paving . . .	38 80

\$80 53

Everett street, North Beacon street to the bridge, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$2,002 71
Amount paid to James Doherty, paving . . .	197 60

\$2,200 31

Amount paid out of appropriation for street improvements, Ward 25 . . .	\$1,720 61
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Amount paid out of appropriation for Paving Division	479 70
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\$2,200 31

Faneuil street, resurfaced.

Labor, teaming and materials furnished by the City,	\$34 29
Amount paid to James Doherty, paving	5 60

\$39 89

Foster street, Washington street to Commonwealth avenue, edgestone reset, gutters relaid.

Labor, teaming and materials furnished by the City,	\$262 83
Amount paid to James Doherty, paving	2,047 82

\$2,310 65

Hardwick street, Dunboy to Bigelow street, macadamized and regulated.

Labor, teaming and materials furnished by the City,	\$2,237 66
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Harvard avenue, Brighton to Farrington avenue, repaved, one side.

Labor, teaming and materials furnished by the City,	\$35 75
Amount paid to James Doherty, paving	108 14

\$143 89

Mt. Vernon street, Rockland to Foster street, gutters relaid.

Teaming and materials furnished by the City	\$70 92
Amount paid to James Doherty, paving	227 60

\$298 52

Nonantum street, gutters relaid.

Gravel furnished by the City	\$60 06
Amount paid to James Doherty, paving	131 20

\$191 26

Oakland street, Faneuil to Washington street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$866 31
Amount paid to James Doherty, paving	330 80

\$1,197 11

Parsons street, Faneuil to Surrey street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$1,744 00
Amount paid to James Doherty, paving	791 62

Carried forward \$2,535 62

<i>Brought forward</i>	\$2,535 62
Amount paid out of appropriation for	
Street Improvements, Ward 25	\$2,216 90
Amount paid out of appropriation for	
Paving Division	318 72
	<u>\$2,535 62</u>

Raymond street, Everett to Franklin street, resurfaced and regulated.

Labor, teaming and materials furnished by the City,	\$641 05
Amount paid to James Doherty, paving	387 60
	<u>\$1,028 65</u>

Rockland street, Peaceable street to High-School place, regulated.

Teaming and materials furnished by the City	\$84 71
Amount paid to James Doherty, paving	543 62
	<u>\$628 33</u>

Union street, Washington street to Howard place, resurfaced.

Labor, teaming and materials furnished by the City,	<u>\$235 37</u>
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Washington street, Commonwealth avenue to Brookline line, regulated.

Materials furnished by the City	\$32 89
Amount paid to James Doherty, paving	209 80
	<u>\$242 69</u>

SUMMARY OF EXPENDITURES UNDER SPECIAL APPROPRIATIONS.

Atlantic avenue, Oliver to Commercial street	\$67,420 38
Beacon street, Arlington to Dartmouth street	28,962 34
Boylston street, Arlington to Berkeley street	14,154 87
Buildings, Chelsea street	9,048 34
Charles street, Fruit to Allen street	318 80
Commercial street, Fleet to Clinton street	92 38
Commercial street, Prince street to Eastern avenue,	28,776 20
Commonwealth avenue	4,105 54
Congress street, Atlantic avenue to bridge	273 72
Devonshire street, State to Water street	6,939 38
Freeport street, Ward 24, retaining wall	4,223 72
Harrison avenue, Asylum to Davis street	12 16
Neponset avenue, Adams to Minot street	371 99
Oliver street, Atlantic avenue to Milk street	23,200 00

Carried forward \$187,899 82

<i>Brought forward</i>	.	.	.	.	.	\$187,899 82
Retaining wall, Marcella and Centre streets	.	.	.	.	.	6,604 07
Summer street, Washington to Federal streets	.	.	.	.	.	17,851 16
Talbot avenue	.	.	.	.	.	1,093 37
Temple place	.	.	.	.	.	5,222 83
Tremont street, Court to Boylston street	.	.	.	.	.	51,346 11
Abolishment of Grade Crossings	.	.	.	.	.	416 00
Charlestown bridge	.	.	.	.	.	3,806 74
Charlestown street	.	.	.	.	.	1,078 10
Malden bridge	.	.	.	.	.	1,881 65
South Union Station :						
Atlantic avenue and Dewey square	.	.	.	.	.	28,556 98
Street Improvements, Ward 1 :						
Breed street	.	.	.	.	.	317 94
Brooks street	.	.	.	.	.	538 90
Chelsea street	.	.	.	.	.	647 38
Eutaw street	.	.	.	.	.	2,215 49
Lexington street	.	.	.	.	.	2,778 18
Marion street	.	.	.	.	.	5,425 17
Meridian street	.	.	.	.	.	2,851 98
Monmouth street	.	.	.	.	.	679 04
Morris street	.	.	.	.	.	54 24
Princeton street	.	.	.	.	.	329 65
Putnam street	.	.	.	.	.	756 95
Saratoga street	.	.	.	.	.	212 75
Trenton street	.	.	.	.	.	3,984 68
White street	.	.	.	.	.	213 20
Street Improvements, Ward 2 :						
Cottage street	.	.	.	.	.	4,304 27
Henry street	.	.	.	.	.	409 26
Liverpool street	.	.	.	.	.	508 80
Marginal street	.	.	.	.	.	139 60
Paris street	.	.	.	.	.	3,101 13
Ruth street	.	.	.	.	.	14 00
Winthrop street	.	.	.	.	.	307 09
Street Improvements, Ward 3 :						
Ferrin street	.	.	.	.	.	409 26
High street	.	.	.	.	.	3,251 73
Mt. Vernon street	.	.	.	.	.	1,226 33
Pearl street	.	.	.	.	.	2,123 74
Stone street	.	.	.	.	.	66 33
Street Improvements, Ward 4 :						
Allston street	.	.	.	.	.	1,588 74
Caldwell street	.	.	.	.	.	1,673 87
Street Improvements, Ward 5 :						
Chelsea street	.	.	.	.	.	4,467 42
Cordis street	.	.	.	.	.	66 39
Gray street	.	.	.	.	.	1,131 39
Park street	.	.	.	.	.	382 57
Pleasant street	.	.	.	.	.	2,034 29
<i>Carried forward</i>	.	.	.	.	.	\$353,968 59

<i>Brought forward</i>	\$353,968 59
Street Improvements, Ward 6 :	
Blackstone street	100 79
Central street	162 94
Charter street	1,085 49
Congress square	820 93
Creek square	993 08
Devonshire street, Milk to Water street	157 73
Endicott street	180 87
Friend street	1,542 42
Haverhill street	1,990 87
Merrimac street	307 41
Pemberton square	186 50
Prince street	1,698 23
Sudbury street	851 48
Street Improvements, Ward 7 :	
Atlantic avenue	674 65
Bosworth street	769 01
Boylston street	1,635 08
Broadway	2,852 20
Devonshire street	622 70
Federal street	501 14
Harrison avenue	205 75
Hawley street	349 70
Hayward place	83 42
Kingston street	402 06
Kneeland street	455 29
Mason street	130 66
Mason street	583 00
Otis street	473 35
Tremont street	3,294 97
Repairing asphalt streets	160 23
Street Improvements, Ward 8 :	
Chambers street	1,935 44
Leverett street	106 89
Milton street	49 98
Norman street	1,828 71
Pitts street	1,622 86
South Margin street	1,407 90
Street Improvements, Ward 9 :	
Compton street	3,712 79
Dover street	977 51
Genesee street	332 21
Lehigh street	592 97
Rollins street	1,137 14
Savoy street	637 75
Union Park street	6,962 48
Street Improvements, Ward 10 :	
Batavia street	2,616 54
<i>Carried forward</i>	\$401,161 71

<i>Brought forward</i>	.	.	.	.	.	\$401,161 71
Cazenove street	.	.	.	.	.	995 42
Clarendon street	.	.	.	.	.	6,379 41
Columbus avenue	.	.	.	.	.	540 65
Dartmouth street	.	.	.	.	.	507 57
Gray street	.	.	.	.	.	1,537 09
Haviland street	.	.	.	.	.	1,841 13
Lawrence street	.	.	.	.	.	3,381 30
Massachusetts avenue	.	.	.	.	.	8,871 87
Norway street	.	.	.	.	.	1,378 19
St. Stephen street	.	.	.	.	.	385 65
Stanhope street	.	.	.	.	.	279 70
Street Improvements, Ward 11 :						
Anderson street	.	.	.	.	.	2,277 19
Beacon street, Massachusetts avenue to Charles-	.	.	.	.	.	2,384 44
gate	.	.	.	.	.	
Beacon street, Massachusetts avenue to Dart-	.	.	.	.	.	720 52
mouth street	.	.	.	.	.	
Commonwealth avenue	.	.	.	.	.	2,332 14
Garden street	.	.	.	.	.	2,028 48
Grove street	.	.	.	.	.	1,751 95
Irving street	.	.	.	.	.	2,168 56
Joy street	.	.	.	.	.	3,781 98
Phillips street	.	.	.	.	.	2,184 81
Pinckney street	.	.	.	.	.	3,246 87
Revere street	.	.	.	.	.	2,324 75
Street Improvements, Ward 12 :						
Claremont park	.	.	.	.	.	2,585 08
James street	.	.	.	.	.	3,497 59
Massachusetts avenue	.	.	.	.	.	3,768 69
Montgomery street	.	.	.	.	.	5,104 01
W. Newton street	.	.	.	.	.	11,404 11
Repairing asphalt streets	.	.	.	.	.	263 32
Street Improvements, Ward 13 :						
Bolton street	.	.	.	.	.	1,028 58
Broadway	.	.	.	.	.	84 20
Dorchester avenue	.	.	.	.	.	5,485 48
Street Improvements, Ward 14 :						
Dorchester street	.	.	.	.	.	964 36
E. Fourth street, N to P street	.	.	.	.	.	2,800 74
E. Third street, Dorchester to Emerson street	.	.	.	.	.	870 37
E. Third street, N to O street	.	.	.	.	.	489 69
Emerson street, K to M street	.	.	.	.	.	2,682 67
Emerson street, Dorchester to H street	.	.	.	.	.	559 88
H street	.	.	.	.	.	2,233 91
I street	.	.	.	.	.	270 98
L street	.	.	.	.	.	6,056 50
M street	.	.	.	.	.	4,260 87
N street	.	.	.	.	.	198 20
<i>Carried forward</i>	.	.	.	.	.	\$507,070 61

<i>Brought forward</i>	.	.	.	.	.	\$507,070 61
Street Improvements, Ward 15 :						
E. Fourth street, Dorchester to H street	.	.	.	.	.	4,353 13
E. Sixth street	.	.	.	.	.	3,379 32
G street	.	.	.	.	.	2,317 01
Linden street	.	.	.	.	.	1,735 29
Old Harbor street	.	.	.	.	.	4,820 72
Pacific street	.	.	.	.	.	1,021 03
Street Improvements, Ward 16 :						
Brookford street	.	.	.	.	.	1,164 38
Folsom street	.	.	.	.	.	2,101 11
Howell street	.	.	.	.	.	668 21
Julian street	.	.	.	.	.	211 63
Magnolia street	.	.	.	.	.	810 27
Massachusetts avenue	.	.	.	.	.	37,175 22
Mayfield street	.	.	.	.	.	471 36
Quincy street	.	.	.	.	.	14,730 16
Street Improvements, Ward 17 :						
Albany street	.	.	.	.	.	502 70
Batchelder street	.	.	.	.	.	333 43
Dunmore street	.	.	.	.	.	1,085 21
Northampton street	.	.	.	.	.	1,276 33
Palmer street	.	.	.	.	.	2,003 03
Swett street	.	.	.	.	.	10,727 63
Washington street	.	.	.	.	.	108 91
Winthrop street	.	.	.	.	.	3,709 12
Street Improvements, Ward 18 :						
Columbus avenue	.	.	.	.	.	4,935 47
Greenwich street	.	.	.	.	.	2,423 80
Hampshire street	.	.	.	.	.	1,377 10
Marble street	.	.	.	.	.	851 02
Marvin street	.	.	.	.	.	820 98
Ruggles street	.	.	.	.	.	8,713 05
Shawmut avenue	.	.	.	.	.	3,819 71
Sussex street	.	.	.	.	.	433 24
Warwick street	.	.	.	.	.	5,480 95
Westminster street	.	.	.	.	.	4,106 34
Weston street	.	.	.	.	.	190 06
Whittier street	.	.	.	.	.	1,920 50
Windsor street	.	.	.	.	.	4,924 75
Street Improvements, Ward 19 :						
Brookline avenue	.	.	.	.	.	2,640 20
Calumet street	.	.	.	.	.	9,582 27
Heath street	.	.	.	.	.	9,682 50
Huntington avenue	.	.	.	.	.	12,617 12
Parker street	.	.	.	.	.	6,037 64
Parker Hill avenue	.	.	.	.	.	3,902 42
Terrace street	.	.	.	.	.	446 25
<i>Carried forward</i>	.	.	.	.	.	\$686,681 18

<i>Brought forward</i>	.	.	.	.	.	\$686,681	18
Street Improvements, Ward 20 :							
Blue Hill avenue	.	.	.	.	.	5,404	92
Chamberlain street	.	.	.	.	.	488	02
Dorchester avenue	.	.	.	.	.	2,191	27
Glenway street	.	.	.	.	.	7,488	82
Grampian way	.	.	.	.	.	168	25
Lawrence avenue	.	.	.	.	.	2,396	73
Park street	.	.	.	.	.	3,191	13
Savin Hill avenue	.	.	.	.	.	3,759	33
Stoughton street	.	.	.	.	.	371	25
Willis street	.	.	.	.	.	285	12
Street Improvements, Ward 21 :							
Bartlett street	.	.	.	.	.	388	10
Blue Hill avenue	.	.	.	.	.	231	46
Brunswick street	.	.	.	.	.	1,489	66
Clifford street	.	.	.	.	.	6,341	49
Crawford street	.	.	.	.	.	1,742	33
Harold street	.	.	.	.	.	209	62
Harrishof street	.	.	.	.	.	1,094	43
Hewes street	.	.	.	.	.	242	65
Hollander street	.	.	.	.	.	435	67
Howland street	.	.	.	.	.	923	18
Humboldt avenue	.	.	.	.	.	1,617	27
Otisfield street	.	.	.	.	.	3,709	18
St. James street	.	.	.	.	.	2,630	33
Sunderland street	.	.	.	.	.	269	72
Wabon street	.	.	.	.	.	3,237	78
Washington street	.	.	.	.	.	3,311	07
Waumbeck street	.	.	.	.	.	377	03
Waverley street	.	.	.	.	.	697	74
Street Improvements, Ward 22 :							
Bickford street	.	.	.	.	.	3,739	85
Cornwall street	.	.	.	.	.	620	25
Lamartine street	.	.	.	.	.	1,073	59
Oakdale street	.	.	.	.	.	165	75
School street	.	.	.	.	.	21	98
Washington street	.	.	.	.	.	5,471	35
Westminster avenue	.	.	.	.	.	210	38
Street Improvements, Ward 23 :							
Anawan avenue	.	.	.	.	.	258	07
Beech street	.	.	.	.	.	872	71
Centre street	.	.	.	.	.	441	35
Corey street	.	.	.	.	.	390	78
Dale street	.	.	.	.	.	665	75
Forest Hills street	.	.	.	.	.	336	40
Green street	.	.	.	.	.	248	88
Harvard street	.	.	.	.	.	785	00
Hastings street	.	.	.	.	.	456	07
<i>Carried forward</i>	.	.	.	.	.	\$757,132	89

BLUE HILL AND OTHER AVENUES.

Blue Hill avenue, Walk Hill to River street.

Labor, teaming and materials furnished by the City,	\$2,947 64
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Columbus avenue.

Sand	\$66 60
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Amount retained from D. E. Lynch for work done, under contract	107 40
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	<u>\$174 00</u>
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Commonwealth avenue.

Labor, teaming and materials furnished by the City,	\$54,686 87
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Amount paid to James Doherty, paving	769 66
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Amount paid to Barnes, Ruffin Company, paving	99 09
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	<u>\$55,555 62</u>
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*SUMMARY OF EXPENDITURES FOR BLUE
HILL AND OTHER AVENUES.*

Blue Hill avenue	\$2,947 64
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Columbus avenue	174 00
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Commonwealth avenue	55,555 62
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	<u>\$58,677 26</u>
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*LAYING-OUT AND CONSTRUCTION OF
HIGHWAYS.***Aberdeen street**, Beacon street to Brookline Branch, Boston &
Albany Railroad.

Labor, teaming and materials furnished by the City,	\$2,184 14
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Amount paid to J. O'Brien & Son, construction work	1,811 84
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Amount paid to Taylor, Carr & Andrews, artifi- cial stone sidewalks	710 55
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	<u>4,706 53</u>
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Alford street, Mystic river to Everett line.

Labor	\$97 50
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Angell street, Blue Hill avenue to Canterbury street.

Labor	\$7 13
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Amount retained from James Doherty for work done in 1899, under contract	208 64
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	<u>\$215 77</u>
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Astor street, Massachusetts avenue to Parker street.

Labor and materials furnished by the City	\$46 67
Amount retained from P. McGovern for work done in 1899, under contract	199 08
	<u>\$245 75</u>

B street, from line of original low water to Congress street.

Labor and materials furnished by the City	<u>\$334 86</u>
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Belvidere street, Dalton to West Newton street.

Amount retained from Collins & Ham for work done in 1899, under contract	<u>\$80 98</u>
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Berkeley street, Boylston street to Columbus avenue.

Labor	<u>\$17 75</u>
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Blandford street, Commonwealth avenue to Boston and Albany Railroad.

Labor and materials furnished by the City	\$484 81
Amount retained from Boston and Albany Railroad Company for work done in 1899, under contract	4,680 00
	<u>\$5,164 81</u>

Boardman street, Saratoga street to Boston & Maine Railroad.

Labor	<u>\$31 25</u>
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Burt street, Washington to Ashmont street.

Labor and materials furnished by the City	\$88 77
Amount retained from Collins & Ham for work done in 1899 under contract	505 22
	<u>\$593 99</u>

Chester street, Commonwealth avenue to Brighton avenue.

Labor and materials furnished by the City	\$15 05
Amount retained from James Doherty & Co. for work done in 1899 under contract	57 93
	<u>\$72 98</u>

Chiswick road, Englewood avenue to Chestnut Hill avenue.

Labor	\$35 25
Amount paid to Collins & Ham	1,272 48
	<u>\$1,307 73</u>

Columbia road.

Labor, teaming and materials furnished by the City,	\$4,927 63
Amount paid to Simon J. Donovan, filling	15,402 49
Amount paid to J. C. Coleman & Son, construction work	1,090 50
Amount paid to H. P. Nawn, construction work	702 20
	<u>\$22,122 82</u>

Cummington street, Blandford to Avon street.

Labor and materials furnished by the City	\$996 24
Amount paid to Boston & Albany Railroad Company, filling	19,481 40
	<u>\$20,477 64</u>

Devon street, Blue Hill avenue to Columbia road.

Labor and materials furnished by the City	\$71 05
Amount retained from John Connors for work done in 1899 under contract	188 74
	<u>\$259 79</u>

Dixfield street, Old Harbor to Covington street.

Labor	<u>\$26 25</u>
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Forest Hills street, Washington street to Glen road.

Labor	<u>\$55 00</u>
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Fowler street, Glenway to Greenwood street.

Labor	\$4 87
Amount retained from Collins & Ham for work done in 1899 under contract	70 52
	<u>\$75 39</u>

Francis street, Huntington to Brookline avenue.

Labor and materials furnished by the City	\$23 01
Amount paid to James Doherty	201 99
	<u>\$225 00</u>

Hamilton street, Bowdoin street to Homes avenue.

Labor and materials furnished by the City	<u>\$43 96</u>
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Harold street, Munroe street to Walnut avenue.

Stone	\$204 58
Amount retained from P. McGovern for work done in 1899 under contract	81 41
	<u>\$285 99</u>

Hewins street, Columbia road to Erie street.

Stone	\$15 54
Amount retained from P. Doherty for work done in 1899 under contract	71 60
	<u>\$87 14</u>

Idaho street, from River street, 870 feet northerly.

Labor and materials furnished by the City	\$12 76
Amount retained from James McGovern for work done in 1899 under contract	102 94
	<u>\$115 70</u>

Ipswich street, Boylston road to Boylston street.

Labor and materials furnished by the City	\$710 19
Amount paid to D. H. Andrews, building bridge fence	2,625 00
Amount paid to Collins & Ham, construction work, ...	874 32
	<u>\$4,209 51</u>

Leeds street, Woodward street to Dorchester avenue.

Labor	<u>\$18 50</u>
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Maryland street, Savin Hill avenue to Bay street.

Amount retained from Philip Doherty for work done in 1899 under contract	<u>\$64 53</u>
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Middleton street, Norfolk street, about 600 feet northerly.

Stone	3 47
Amount retained from Philip Doherty for work done in 1899 under contract	75 11
	<u>\$78 58</u>

North Harvard street, Western avenue to Charles river.

Labor	\$27 75
Amount retained from George H. Wentworth & Co. for work done in 1899 under contract	384 60
	<u>\$412 35</u>

Orkney road, Sutherland road to Strathmore road.

Labor and materials furnished by the City	\$59 53
Amount retained from Daniel E. Lynch for work done in 1899 under contract	1,182 09
	<u>\$1,241 62</u>

Peterborough street, Audubon road to Fairhaven street.

Labor and materials furnished by the City . . .	\$9 69
Amount retained from James Doherty & Co. for work done in 1899 under contract . . .	236 72
	<u>\$246 41</u>

Peverell street, Sawyer avenue to Salcombe street.

Labor	\$32 00
Amount retained from Collins & Ham for work done in 1899 under contract	120 00
	<u>\$152 00</u>

Province court, from Province street.

Labor and materials furnished by the City . . .	\$259 38
Amount paid to Jones & Meehan construction work	603 51
	<u>\$862 89</u>

St. Stephen street, from Bryant street 800 feet towards Gainsborough street.

Stone	\$6 76
Amount retained from James Doherty & Co. for work done in 1899 under contract	93 96
	<u>\$100 72</u>

Shirley street, Massachusetts to Norfolk avenue.

Labor and materials furnished by the City . . .	\$197 04
Amount returned from John F. Cullen for work done in 1899 under contract	566 17
	<u>\$763 21</u>

Spencer street, Wheatland to Talbot avenue.

Amount retained from James McGovern for work done in 1899, under contract	\$79 06

Spencer street, Athelwold to Park street.

Labor and materials furnished by the City . . .	\$21 02
Amount retained from James McGovern for work done in 1899 under contract	41 40
	<u>\$62 42</u>

Spring street, Centre to Gardner street.

Labor, teaming and materials furnished by the City,	\$827 07

Stanley street, Quincy to Bellevue street.

Amount retained from James Doherty & Co. for work done in 1899 under contract	<u>\$63 03</u>
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Swett street, Massachusetts to Dorchester avenue.

Labor, teaming and materials furnished by the City,	\$2,095 83
Amount paid to N. Y., N. H. & H. Railroad Com- pany, construction work	2,192 41
Amount paid to Jones & Meehan, construction work	1,740 60
	<u>\$6,028 84</u>

Thane street, Athelwold to Park street.

Amount retained from P. Doherty for work done in 1899 under contract	<u>\$27 64</u>
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Trinity place, Stuart to Stanhope street.

Labor and materials furnished by the City	\$419 84
Amount paid to Barber Asphalt Paving Company, asphalting	2,458 95
Amount paid to Frank Bachelder, paving, etc.	921 28
	<u>\$3,800 07</u>

Wensley street, Heath street, 720 feet westerly.

Labor and materials furnished by the City	\$91 46
Amount retained from Collins & Ham for work done in 1899 under contract	416 13
	<u>\$507 59</u>

West Selden street, Morton to Manchester street.

Labor and materials furnished by the City	\$1,191 22
Amount paid to James McGovern, construction work	694 11
	<u>\$1,885 33</u>

Woodlawn street, Hyde Park avenue to Forest Hills Cemetery.

Labor	\$8 76
Amount retained from Thomas A. Dolan, for work done in 1899 under contract	114 75
	<u>\$123 51</u>

Worthington street, Longwood avenue to Back Bay Fens.

Labor and materials furnished by the City . . .	\$66 66
Amount retained from J. C. Coleman & Son for work done in 1899 under contract . . .	3,027 93
	<u>\$3,094 59</u>

Public alley 102, Marshall street to Creek square.

Labor	\$5 50
Advertising	3 50
	<u>\$9 00</u>

(Between Beacon and Marlborough Streets.)

Public alley 414, Massachusetts avenue to Hereford street.

Labor	<u>\$4 50</u>
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Public alley 415, Hereford to Gloucester street.

Labor	<u>\$4 50</u>
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Public alley 416, Gloucester to Fairfield street.

Labor	<u>\$16 63</u>
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Public alley 417, Fairfield to Exeter street.

Labor	<u>\$57 12</u>
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(Between Commonwealth Avenue and Marlborough Street.)

Public alley 421, Berkeley to Arlington street.

Labor	<u>\$47 50</u>
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Public alley 422, Arlington to Berkeley street.

Signs	<u>\$3 64</u>
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Public alley 423, Berkeley to Clarendon street.

Signs	<u>\$3 64</u>
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Public alley 424, Clarendon to Dartmouth street.

Signs	<u>\$3 64</u>
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Public alley 426, Exeter to Fairfield street.

Signs	<u>\$3 64</u>
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Public alley 427, Fairfield to Gloucester street.

Signs	<u>\$3 64</u>
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Public alley 428, Gloucester to Hereford street.

Signs	<u>\$3 64</u>
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Public alley 429, Hereford street to Massachusetts avenue.

Signs	<u>\$3 64</u>
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(Between Commonwealth Avenue and Newbury Street.)

Public alley 430, Massachusetts avenue to Hereford street.

Labor	\$9 00
Advertising	2 33

\$11 33**Public alley 432**, Gloucester to Fairfield street.

Labor, teaming and materials furnished by the City,	\$185 21
Amount paid to E. S. Fogerty, construction work,	841 35

\$1,026 56**Public alley 433**, Fairfield to Exeter street.

Labor	\$9 00
Advertising	2 08

\$11 08**Public alley 434**, Exeter to Dartmouth street.

Labor	\$9 00
Advertising	2 08

\$11 08**Public alley 435**, Dartmouth to Clarendon street.

Labor	\$9 00
Advertising	2 07

\$11 07**Public alley 436**, Clarendon to Berkeley street.

Labor	\$9 00
Advertising	2 07

\$11 07

(Between Newbury and Boylston Streets.)

Public alley 438, Arlington to Berkeley street.

Advertising	\$2 07
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Public alley 439, Clarendon to Dartmouth street.

Labor, teaming and materials furnished by the City,	\$147 32
Amount paid to E. S. Fogerty, construction work .	718 32

\$865 64**Public alley 440**, Dartmouth to Exeter street.

Advertising	\$2 07
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Public alley 441, Exeter to Fairfield street.

Avertising	\$2 07
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Public alley 442, Fairfield to Gloucester street.

Advertising	<u>\$2 07</u>
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Public alley 443, Gloucester to Hereford street.

Advertising	<u>\$2 06</u>
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Public alley 444, Hereford street to Massachusetts avenue.

Advertising	<u>\$2 06</u>
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SUMMARY OF EXPENDITURES.

LAYING-OUT AND CONSTRUCTION OF HIGHWAYS.

TOTAL AMOUNT EXPENDED.

Aberdeen street	\$4,706 53
Alford street	97 50
Angell street	215 77
Astor street	245 75
B street	334 86
Belvidere street	80 98
Berkeley street	17 75
Blandford street	5,164 81
Boardman street	31 25
Burt street	593 99
Chester street	72 98
Chiswick road	1,307 73
Columbia road	22,122 82
Cummington street	20,477 64
Devon street	259 79
Dixfield street	26 25
Forest Hills street	55 00
Fowler street	75 39
Francis street	225 00
Hamilton street	43 96
Harold street	285 99
Hewins street	87 14
Idaho street	115 70
Ipswich street	4,209 51
Leeds street	18 50
Maryland street	64 53
Middleton street	78 58
N. Harvard street	412 35
Orkney road	1,241 62
Peterborough street	246 41
Peverell street	152 00
Province court	862 89
St. Stephen street	100 72
<i>Carried forward</i>	<u>\$64,031 69</u>

<i>Brought forward</i>	.	.	.	.	.	\$64,031 69
Shirley street	.	.	.	.	.	763 21
Spencer street, Wheatland to Talbot avenue	.	.	.	.	.	79 06
Spencer street, Athelwold to Park street	.	.	.	.	.	62 42
Spring street	.	.	.	.	.	827 07
Stanley street	.	.	.	.	.	63 03
Swett street	.	.	.	.	.	6,028 84
Thane street	.	.	.	.	.	27 64
Trinity place	.	.	.	.	.	3,800 07
Wensley street	.	.	.	.	.	507 59
West Selden street	.	.	.	.	.	1,885 33
Woodlawn street	.	.	.	.	.	123 51
Worthington street	.	.	.	.	.	3,094 59
Public alley 102	.	.	.	.	.	9 00
Public alley 414	.	.	.	.	.	4 50
Public alley 415	.	.	.	.	.	4 50
Public alley 416	.	.	.	.	.	16 63
Public alley 417	.	.	.	.	.	57 12
Public alley 421	.	.	.	.	.	47 50
Public alley 422	.	.	.	.	.	3 64
Public alley 423	.	.	.	.	.	3 64
Public alley 424	.	.	.	.	.	3 64
Public alley 426	.	.	.	.	.	3 64
Public alley 427	.	.	.	.	.	3 64
Public alley 428	.	.	.	.	.	3 64
Public alley 429	.	.	.	.	.	3 64
Public alley 430	.	.	.	.	.	11 53
Public alley 432	.	.	.	.	.	1,026 56
Public alley 433	.	.	.	.	.	11 08
Public alley 434	.	.	.	.	.	11 08
Public alley 435	.	.	.	.	.	11 07
Public alley 436	.	.	.	.	.	11 07
Public alley 438	.	.	.	.	.	2 07
Public alley 439	.	.	.	.	.	865 64
Public alley 440	.	.	.	.	.	2 07
Public alley 441	.	.	.	.	.	2 07
Public alley 442	.	.	.	.	.	2 07
Public alley 443	.	.	.	.	.	2 06
Public alley 444	.	.	.	.	.	2 06
						\$83,419 21

*LAYING-OUT AND CONSTRUCTION OF HIGH-
WAYS, EAST BOSTON.*

Ashley street, Breed to Walley street.

Labor, teaming and materials furnished by the City,	\$3,244 98
Amount paid to H. & D. Burnett, filling	2,342 91
Amount paid to Philip Doherty, construction work,	697 00

\$6,284 89

Bennington street, Chelsea street to Belle Isle Inlet.

Labor, teaming and materials furnished by the City,	\$8,194 16
Amount paid to Jones & Meehan, filling . . .	48,383 15
	\$56,577 31

Wordsworth street, Saratoga to Pope street.

Labor	\$69 87
Advertising	2 25
	\$72 12

*SUMMARY OF EXPENDITURES.***LAYING-OUT AND CONSTRUCTION OF HIGHWAYS,
EAST BOSTON.****TOTAL AMOUNT EXPENDED.**

Ashley street	\$6,284 89
Bennington street	56,577 31
Wordsworth street	72 12
	\$62,934 32

**LAYING-OUT AND CONSTRUCTION OF HIGHWAYS,
BRIGHTON.****Cambridge street, Brighton avenue to Washington street.**

Labor and materials furnished by the city . . .	\$3,221 14
Amount paid to J. L. Bryne & Co., construction work	2,907 00
Amount paid to J. H. Sullivan, construction work,	2,030 99
	\$8,159 13

Tremont street, Washington street to Newton line.

Labor and materials furnished by the City . . .	\$2,095 80
Amount paid to William Scollans, construction work	1,545 30
	\$3,641 10

*SUMMARY OF EXPENDITURES.***LAYING-OUT AND CONSTRUCTION OF HIGHWAYS,
BRIGHTON.****TOTAL AMOUNT EXPENDED.**

Cambridge street	\$8,159 13
Tremont street	3,641 10
	\$11,800 23

LAYING-OUT AND CONSTRUCTION OF HIGHWAYS,
DORCHESTER.**Alexander street**, southwardly over Oleander street.

Labor and materials, furnished by the City . . .	\$191 76
Amount paid to J. McGovern, construction work .	307 35
	\$499 11

Annabel street, Columbia road to Sumner street.

Labor and materials furnished by the City . . .	\$2,033 49
Amount paid to J. McGovern, construction work .	950 11
	\$2,983 60

Atherstone street, Fuller to Bailey street.

Advertising	\$3 38
Amount retained from Philip Doherty for work done in 1899 under contract	35 10
	\$38 48

Barry street, Quincy to Richfield street.

Labor, teaming and materials furnished by the City,	\$6,552 16
Amount paid to F. E. McCarthy Co., rock excavation	5,061 60
	\$11,613 76

Bird street, Columbia road to Hancock street.

Labor	\$26 50

Boston street, Mt. Vernon street to to Columbia road.

Labor	\$83 50
Advertising	2 45
	\$85 95

Callender street, Tucker to Don street.

Labor and materials furnished by the City . . .	\$8,682 39
Amount paid to John F. Cullen, construction work,	3,861 33
	\$12,543 72

Conrad street, from Sumner street.

Labor	\$26 25
Advertising	2 45
	\$28 70

Draper street, Robinson to Bowdoin street.

Labor, teaming and materials furnished by the City,	<u>\$2,045 26</u>
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Edison Green, Dorchester avenue to Pond street.

Labor, teaming and materials furnished by the City,	\$7,311 07
Amount paid to James McGovern, construction work	2,990 30
	<u>\$10,301 37</u>

Edwin street, Dorchester avenue to Shawmut Park.

Labor and materials furnished by the City	\$147 07
Amount retained from Philip Doherty for work done in 1899 under contract	221 09
Amount paid to Patrick Lyons, artificial stone sidewalks	787 62
	<u>\$1,155 78</u>

Esmond street, Blue Hill avenue to Harvard street.

Labor and materials furnished by the City	\$6,502 83
Amount paid to T. F. Bradley, construction work	3,011 59
Amount paid to Warren Bros. Co., artificial stone sidewalks	2,581 84
	<u>\$12,096 26</u>

Florida street, King to Templeton street.

Labor and materials furnished by the City	\$1,668 50
Amount paid to Philip Doherty, construction work, ...	2,641 73
Amount paid to Warren Bros. Co., artificial stone sidewalks	757 79
Amount paid to Taylor, Carr & Andrews, artificial stone sidewalks	322 35
	<u>\$5,390 37</u>

Fowler street, Glenway to McLellan street.

Labor and materials furnished by the City	\$1,749 23
Amount paid to Booth & Co., construction work	890 50
	<u>\$2,639 73</u>

Gibson street, Dorchester avenue to Adams street.

Labor	<u>\$62 13</u>
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Hancock street, Columbia road to Winter street.

Labor	<u>\$255 45</u>
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Homes avenue, Bowdoin to Topliff street.

Labor and materials furnished by the City . . .	\$4,053 22
Amount paid to Thomas F. Welch, construction work	2,106 06
	<u>\$6,159 28</u>

Lauriat avenue, Ballou avenue to Norfolk street.

Labor and materials furnished by the City . . .	\$3,420 57
Amount paid to T. F. Bradley, construction work .	2,422 04
Amount paid to W. A. Murtfeldt Co., artificial stone sidewalks	1,452 89
	<u>\$7,295 50</u>

Leonard street, Duncan to Adams street.

Labor, teaming and materials furnished by the City,	<u>\$249 10</u>
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Millet street, Park to Athelwold street.

Labor	\$12 00
Advertising	2 45
	<u>\$14 45</u>

Montague street, Ashmont to Roslin street.

Labor and materials furnished by the City . . .	\$1,105 05
Amount paid to Collins & Ham, construction work,	797 15
Amount paid to Simpson Bros. Corporation, artificial stone sidewalks	759 94
	<u>\$2,662 14</u>

Moseley street, Crescent avenue to Columbia road.

Labor	\$68 98
Advertising	2 45
	<u>\$71 43</u>

Normandy street, from Lawrence avenue.

Labor	<u>\$19 00</u>
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Nottingham street, Bullard street to Bowdoin avenue.

Labor and materials furnished by the City . . .	\$2,797 09
Amount paid to D. F. O'Connell, construction work	1,453 58
Amount paid to W. A. Murtfeldt Co., artificial stone sidewalks	861 90
	<u>\$5,112 57</u>

Rockford street, Dudley to Clifton street.

Labor and materials furnished by the City . . .	\$1,279 06
Amount paid to D. F. O'Connell, construction work	844 34
	<u>\$2,123 40</u>

Rozella street, Adams to Muzzy street.

Labor and materials furnished by the City . . .	\$708 70
Amount paid to T. F. Bradley, construction work, ...	750 66
	<u>\$1,459 36</u>

Seaborn street, Centre to Kenwood street.

Labor and materials furnished by the City . . .	\$1,897 09
Amount paid to James Doherty, construction work, ...	1,126 30
	<u>\$3,023 39</u>

Shafter street, Waterlow to Faxon street.

Labor and materials furnished by the City . . .	\$3,042 86
Amount paid to Philip Doherty, construction work, ...	1,190 56
	<u>\$4,233 42</u>

Shepton street, Dorchester avenue to Florida street.

Labor, teaming and materials furnished by the City, ...	<u>\$800 44</u>
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Spencer street, Athelwold to Harvard street.

Labor	\$12 00
Advertising	2 46
	<u>\$14 46</u>

Templeton street, Dorchester avenue to Adams street.

Labor	\$58 25
Advertising	2 46
	<u>\$60 71</u>

Thane street, Athelwold to School street.

Labor	\$23 25
Advertising	2 46
	<u>\$25 71</u>

Van Winkle street, Dorchester avenue to Shawmut Branch Railroad.

Labor and materials furnished by the City . . .	\$3,559 18
Amount paid to Booth & Co., construction work .	1,679 32
Amount paid to Simpson Bros. Corporation, artificial stone sidewalks	1,158 79
	<u>\$6,397 29</u>

Wainwright street, Centre street to Welles avenue.

Labor and materials furnished by the City . . .	<u>\$111 15</u>
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Waldeck street, Melville avenue to Tonawanda street.

Labor and materials furnished by the City . . .	\$1,031 25
Amount retained from John F. Cullen, for work done in 1899, under contract	483 48
Amount paid to Taylor, Carr & Andrews, artificial stone sidewalks	509 75
	<u>\$2,024 48</u>

Warner street, Harvard to Park street.

Labor and materials furnished by the City . . .	\$3,777 27
Amount paid to T. F. Bradley, construction work,	1,926 58
Amount paid to Warren Bros. Company, artificial stone sidewalks	1,110 46
	<u>\$6,814 31</u>

Woodcliff street, eastwardly from Howard avenue.

Labor and materials furnished by the City . . .	\$1,205 33
Amount paid to Philip Doherty, construction work,	1,229 62
	<u>\$2,434 95</u>

*SUMMARY OF EXPENDITURES.*LAYING-OUT AND CONSTRUCTION OF HIGHWAYS,
DORCHESTER.

TOTAL AMOUNT EXPENDED.

Alexander street	\$499 11
Annabel street	2,983 60
Atherstone street	38 48
<i>Carried forward</i>	\$3,521 19

Bragdon street, Columbus avenue to Amory street.

Stone	\$3 96
Amount retained from Thomas A. Dolan, for work done in 1899, under contract	93 89
	<u>\$97 85</u>

Brookline avenue, Longwood avenue, entrance to Back Bay
Fens to the Riverway.

Labor, teaming and materials furnished by the City,	<u>\$2,590 20</u>
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Cardington street, from Cobden street.

Labor and materials furnished by the City	\$841 28
Amount paid to Philip Doherty, construction work,	350 03
	<u>\$1,191 31</u>

Carlow street, Albany to Chadwick street.

Labor	<u>\$24 75</u>
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Congreve street, South to Centre street

Labor and materials furnished by the City	\$3,603 97
Amount paid to William Finneran, construction work	1,750 74
	<u>\$5,354 71</u>

Corinth street, Washington to Brandon street.

Labor and materials furnished by the City	\$822 77
Amount paid to Collins & Ham, construction work	425 00
	<u>\$1,247 77</u>

Custer street, Woodman street to Arnold Arboretum.

Labor and materials furnished by the City	\$2,057 93
Amount paid to Philip Doherty, construction work,	1,011 33
	<u>\$3,069 26</u>

Dresden street, Boylston street to Spring Park
avenue.

Labor and materials furnished by the City	\$1,425 29
Amount paid to Thomas Minton, construction work,	500 59
	<u>\$1,925 88</u>

Dunford street, Cobden to Fenner street.

Labor and materials furnished by the City	\$888 55
Amount paid to Philip Doherty, construction work,	534 79
	\$1,423 34

Echo street, Columbus avenue to Centre street.

Labor and materials furnished by the City	\$774 77
Amount paid to James Doherty, construction work,	538 26
	\$1,313 03

Gainsborough street, St. Stephen to Hemenway street.

Labor	\$11 75
Advertising	5 24
	\$16 99

Hubbard street, Chestnut avenue to Lamartine street.

Labor and materials furnished by the City	\$43 77
Amount retained from Thomas Minton for work done in 1899 under contract	172 63
	\$240 16

Newburg street, Beech street to Belgrade avenue.

Labor and materials furnished by the City	\$6,029 60
Amount paid to James Doherty & Co., construction work	5,593 46
	\$11,623 06

Oakview terrace, from Centre street.

Labor and materials furnished by the City	\$4,892 77
Amount paid to Collins & Ham, construction work,	2,267 72
Amount paid to Patrick J. Lyons, artificial stone sidewalks	1,724 53
	\$8,885 02

Perkins street, Centre street to Jamaicaway.

Labor	\$114 12
Advertising	5 03
	\$119 15

Pontiac street, Hillside to Tremont street.

Labor, teaming and materials furnished by the City,	\$24,140 77

Queensberry street.

Teaming and materials furnished by the City	\$371 98
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Railroad street, Corey to Willow street.

Labor	\$27 75
Advertising	5 02
	<u>\$32 77</u>

Rowe street, Asliland to Seymour street.

Labor, teaming and materials furnished by the City,	\$1,328 95
Amount paid to Philip Doherty, construction work	278 63
	<u>\$1,607 58</u>

Seymour street, Canterbury street to Brown avenue.

Labor and materials furnished by the City	\$924 18
Amount paid to T. F. Welch, construction work	438 04
	<u>\$1,362 22</u>

South street, Jamaica street to Arborway.

Labor, teaming and materials furnished by the City,	<u>\$160 27</u>
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Stratford street, Anawan to Clement avenue.

Labor and materials furnished by the City	\$819 16
Amount paid to William L. Cahalan, artificial stone sidewalks	1,220 54
	<u>\$2,039 70</u>

Washington street, Morton to Tower street.

Labor, teaming and materials furnished by the City,	\$834 03
Amount paid to Jones & Meehan, construction work,	503 03
	<u>\$1,337 06</u>

Westbourne street, Cornell to Beech street.

Labor	<u>\$23 13</u>
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Public alley 901, Hemenway street to Fenway.

Labor	\$31 25
Advertising	5 23
	<u>\$36 48</u>

Public alley 905, west from Massachusetts avenue, between Commonwealth avenue and Marlborough street, and to Marlborough street.

Labor	\$5 25
Advertising	5 23
	\$10 48

SUMMARY OF EXPENDITURES.

LAYING-OUT AND CONSTRUCTION OF HIGHWAYS, ROXBURY AND WEST ROXBURY.

TOTAL AMOUNT EXPENDED.

Amory street	\$115 91
Bragdon street	97 85
Brookline avenue	2,590 20
Cardington street	1,191 31
Carlow street	24 75
Congreve street	5,354 71
Corinth street	1,247 77
Custer street	3,069 26
Dresden street	1,925 88
Dunford street	1,423 34
Echo street	1,313 03
Gainsborough street	16 99
Hubbard street	216 40
Newburg street	11,623 06
Oakview terrace	8,885 02
Perkins street	119 15
Pontiac street	24,140 77
Queensberry street	371 98
Railroad street	32 77
Rowe street	1,607 58
Seymour street	1,362 22
South street	160 27
Stratford street	2,039 70
Washington street	1,337 06
Westbourne street	23 13
Public alley 901	36 48
Public alley 905	10 48
	\$70,337 07

NEW EDGESTONE.

The following tables show the amount of new edgestones set during the year, not including " 323 " streets :

CITY PROPER.

Wards 6, 7, 8, 9, 11, 12, 17 and 18, in whole or in part. (Paving Districts 8, 9 and 10.)

	Lin. feet.
Bay State road	407
Belvidere street	145
Endicott street	123
Federal and High streets	144
Massachusetts avenue	126
St. Germain street	115
St. Cecilia street	137
Hemenway street	138
Sundry streets in small quantities	209
	1,544

ROXBURY.

Wards 16, 17, 18, 19, 21 and 22, in whole or in part. (Paving District No. 7.)

	Lin. feet.
Batchelder and Burrell streets	141
Calumet street	2,112
Crawford street	119
Cunard street	134
Gore street	100
Humboldt avenue	120
Harold street	201
Halleck street	236
Homestead street	130
Harrishof street	366
Howland street	238
Kingsbury street	100
Munroe street	387
Massachusetts avenue	345
Otisfield street	947
Ruggles street	137
Roxbury street	102
Ruthven street	297
Sunderland street	203
Swett street	1,349
Tremont street	209
Waumbeck street	197
Sundry streets in small quantities	712
	8,882

EAST BOSTON.

Wards 1 and 2. (Paving District No. 2.)

	Lin. feet.
Condor street	418
Falcon street	108
Sundry streets in small quantities	90
	616

DORCHESTER.

Wards 16, 20 and 24, in whole or in part. (Paving District No. 6.)

	Lin. feet.
Blue Hill avenue	182
Cushing avenue and Jerome street	211
Dewey street	127
Euclid street	135
Erie and McLellan streets	191
Folsom and Robin Hood street	359
Massachusetts avenue	180
Newport street	291
Park street	714
Quincy street	4,947
Stanwood street	189
Seaver street	406
Washington street	170
Welles avenue	340
Willis street	343
Sundry streets in small quantities	848
	9,633

WEST ROXBURY.

Wards 22 and 23, in whole or in part. (Paving District No. 5.)

	Lin. feet.
Alveston street	192
Glen road	156
Maple street	166
Seymour street	100
	614

SOUTH BOSTON.

Wards 13, 14, 15 and 16, in whole or in part.

	Lin. feet.
East Sixth street	375
East Third street	156
Sundry streets in small quantities	198
	729

CHARLESTOWN.

Wards 3, 4 and 5. (*Paving District No. 3.*)

	Lin. feet.
Sundry streets in small quantities	100

RECAPITULATION.

	Lin. feet.
City Proper	1,544
Roxbury	8,882
South Boston	729
East Boston	616
Dorchester	9,633
West Roxbury	614
Charlestown	100
	<u>22,118</u>

New Edgestones. (Not including " 323 " streets.)
First setting. Linear feet.

YEAR.	City Proper.	Roxbury.	South Boston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Back Bay.	Total.
1891.....	8,236	22,693	11,724	4,131	18,138	4,617	2,032	2,227	.....	73,798
1892.....	9,222	25,506	9,631	11,238	36,859	9,970	9,001	2,804	.....	114,231
1893.....	1,118	14,979	4,372	1,969	10,587	4,795	3,981	.....	.....	41,801
1894.....	1,916	39,324	521	816	6,544	1,568	1,323	694	.....	52,706
1895.....	2,990	17,053	2,097	1,146	15,205	8,319	4,191	668	.....	51,669
1896.....	1,697	20,111	3,855	807	21,367	2,498	8,507	791	41,917	101,550
1897.....	5,097	14,241	2,311	1,691	37,205	5,228	1,086	.....	.....	66,859
1898.....	1,281	13,252	1,259	918	50,124	2,185	5,909	.....	.....	74,928
1899.....	1,410	8,134	308	2,715	6,818	2,265	439	111	.....	22,200
1900.....	1,544	8,882	729	616	9,633	614	.....	100	.....	22,118
Totals.....	34,511	184,175	36,807	26,047	212,480	42,059	36,469	7,395	41,917	621,860

NEW BRICK SIDEWALKS.

The following tables show the number of square yards of brick sidewalks laid during the year, not including "323" streets:

CITY PROPER.

*Wards 6, 7, 8, 9, 10, 11, 12, 17, and 18, in whole or in part.
(Paving Districts Nos. 8, 9, and 10.)*

	Sq. yds.
Atlantic avenue	309
Bay State road	122
Boylston street	167
Bosworth street	90
Beacon street	273
Dartmouth street	145
Falmouth street	102
Gainsborough street	209
Massachusetts avenue	238
Savoy street	200
Turner street	308
St. Germain street	215
Sundry streets in small quantities	480
	2,858

ROXBURY.

*Wards 16, 17, 18, 19, 21, and 22, in whole or in part.
(Paving District, No. 7.)*

	Sq. yds.
Alleghany and Oscar streets	93
Albany street	124
Burrell and Batchelder streets	101
Calumet street	750
Columbus avenue	272
Cunard street	218
Halleck street	157
Huntington avenue	142
Hewes street	143
Heath street	254
Howland street	88
Marble street	435
Ruthven street	87
Ruggles street	181
Parker street	223
Sussex street	214
Walnut avenue	141
Washington street	236
Sundry streets in small quantities	1,140
	4,999

DORCHESTER.

Wards 16, 20, and 24, in whole or in part. (Paving District, No. 6.)

	Sq. yds.
Ashmont street	385
Brookford and Rand streets	102
Dorchester avenue	248
Howard avenue	234
Quincy street	89
Savin Hill avenue	1,534
Stoughton street	381
Walnut street	150
Sundry streets in small quantities	910
	4,033

BRIGHTON.

Ward 25. (Paving District No. 5.)

	Sq. yds.
Oakland street	545
Nonantum street	328
	873

SOUTH BOSTON.

Wards 13, 14, 15 and 16, in whole or in part.

	Sq. yds.
A street	97
Bolton street	379
East Broadway	243
Old Harbor street	90
Sundry streets in small quantities	260
	1,069

WEST ROXBURY.

Wards 22 and 23, in whole or in part. (Paving District No. 5.)

	Sq. yds.
Alfred street	131
Chestnut avenue	194
Glen road	116
Greenough avenue	191
Seaverns avenue	186
School street	277
Walk Hill street	108
Sundry streets in small quantities	380
	1,583

EAST BOSTON.

Wards 1 and 2. (Paving District No. 2.)

	Sq. yds.
Condor street	180
Cottage street	250
Marion street	143
Meridian street	140
Paris street	178
Putnam street	125
Sundry streets in small quantities	460
	1,476

CHARLESTOWN.

Wards 3, 4 and 5. (Paving District No. 3.)

	Sq. yds.
Pearl street	150
Green street	133
Warren avenue	104
Sundry streets in small quantities	90
	477

RECAPITULATION.

	Sq. yds.
City Proper	2,858
Roxbury	4,999
South Boston	1,069
East Boston	1,476
Dorchester	4,033
Brighton	1,583
West Roxbury	873
Charlestown	477
	17,368

New Brick Sidewalks. (Not including "323" streets.)

First laying. Square yards.

YEAR.	City Proper.	Roxbury.	South Boston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Back Bay.	Total.
1891	3,881	9,098	3,628	2,176	1,478	967	377	120	.....	21,725
1892	10,423	20,231	4,484	12,847	10,462	2,905	1,068	3,451	.....	65,871
1893	964	5,912	751	2,197	2,412	350	.....	175	.....	12,761
1894	1,537	11,533	2,706	2,115	453	834	.....	437	.....	19,615
1895	4,103	6,246	1,946	1,151	2,146	1,734	2,908	408	.....	20,632
1896	1,044	15,897	2,314	681	2,616	542	.....	288	5,073	28,155
1897	17,287	21,596	13,460	16,125	2,995	1,855	2,128	14,454	.....	89,900
1898	10,121	13,783	4,487	6,453	4,723	1,225	216	4,653	.....	45,661
1899	5,424	8,316	4,084	3,503	2,610	1,448	.....	.....	.....	25,385
1900	2,858	4,999	1,069	1,476	4,033	1,583	873	477	.....	17,368
Totals	57,642	117,611	33,919	48,724	33,928	13,443	7,570	24,463	5,073	347,073

STREET CONSTRUCTION.

Number of new " 323 " streets constructed	32
Number of new " 323 " streets partially constructed	16
Number of public alleys constructed	2

PAVING.

Details of New Work.

	Sq. yds.
Granite blocks on concrete base, pitch joints	6,138
Granite blocks on concrete base, grout joints	22,996
Granite blocks on gravel base, pitch joints	1,079
Granite blocks on gravel base, grout joints	453
Granite blocks on gravel base, gravel joints	4,302
Total	<u>34,968</u>

	Sq. yds.
Trinidad asphalt	12,978
Sicilian rock asphalt	11,525
	<u>24,503</u>

	Sq. yds.
Wooden blocks on concrete base	<u>1,367</u>

Macadam.

	Sq. yds.
Area of surface laid	<u>16,478</u>

Edgestone.

	Lin. ft.
Length of edgestones set	<u>38,545</u>

Gutters.

	Sq. yds.
Area of gutters laid	<u>7,149</u>

Sidewalks.

	Sq. yds.
Brick sidewalks laid	14,925
Crushed stone laid	4,650
Coal tar concrete laid	489
Total	<u>20,062</u>

	Sq. ft.
Artificial stone sidewalks laid	195,934

Crosswalks.

	Sq. yds.
Area of flagging laid	2,816

GENERAL REPAIRS.

**Summary of Work Done Under District Foremen.*

Number of streets repaired	162
Length of streets repaired	42 miles.
Area of macadam streets resurfaced	551,869 sq. yds.
Area of paving relaid	222,784 “
Length of edgestones set and reset	264,982 lin. ft.
Area of brick sidewalks laid	147,863 sq. yds.
Asphalt pavement repaired	3,790 “

SNOWFALL AND RAINFALL.

The following table showing the snowfall and rainfall since the present organization of the Department is of interest :

Snowfall (inches).

MONTH.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.
November			3.0	0.4	6.7	.....	2.2	8.1	17.8	.1	.1
December	14.5	.....	2.0	18.5	13.5	5.2	8.6	7.8	7.7	.....	.8
January	14.7	12.0	14.6	15.0	13.9	9.5	18.2	16.3	6.1	8.3	7.8
February	13.7	11.5	35.3	21.6	8.8	9.5	10.9	11.5	30.7	.....	8.8
March	16.2	20.0	4.5	.....	3.8	14.5	3.3	6.0	9.3	.....	.....
April . . . . .	.....	.....	7.9	8.5	0.5	0.2	.....	2.2	.....	.....	.....
Totals	59.1	43.5	67.3	64.0	47.2	38.9	43.2	51.9	71.6	8.4	17.5

Snow Account.

1891-92	\$102,410 86	1896-97	\$68,741 07
1892-93	60,190 20	1897-98	116,224 20
1893-94	151,943 33	1898-99	172,963 48
1894-95	78,381 71	1899-1900	154,625 18
1895-96	84,809 08	1900-1901	29,138 38

Average for ten years, \$101,942.75

*The quantities given in this schedule are in addition to and are not included in the foregoing tables.

Rainfall (inches).

	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.
January	3.40	3.85	2.25	3.01	3.79	2.25	3.16	3.50	4.19	4.20
February	2.53	.36	4.82	3.15	1.11	3.94	2.12	4.81	3.03	6.83
March	2.70	1.68	2.80	1.01	2.72	5.41	2.79	1.82	5.95	4.60
April.....	1.68	.93	3.13	3.78	3.65	1.56	3.17	6.31	1.29	1.90
May.....	1.56	5.15	5.23	4.12	2.71	1.68	4.00	4.33	.81	5.07
June	3.06	3.05	2.20	.80	1.73	2.71	4.46	1.60	2.86	1.85
July	3.73	2.56	1.72	3.01	2.98	2.90	4.22	4.42	2.52	2.69
August.....	3.87	4.87	6.46	3.03	3.24	2.15	3.95	6.38	2.52	2.46
September.....	2.29	1.90	1.59	2.14	1.53	6.40	2.38	1.93	5.09	4.62
October	5.56	2.31	2.94	5.11	6.19	3.15	.41	7.17	2.40	3.41
November.....	2.20	2.94	1.83	3.10	8.07	3.70	6.19	5.32	2.51	4.17
December	3.50	.87	5.16	4.28	2.45	1.70	3.92	2.19	1.52	2.25
Totals.....	36.08	30.47	40.14	36.54	40.17	37.55	40.77	49.78	34.69	44.05

In this rainfall is included the precipitation during the winter months, which equals .1 of an inch to 1 inch of snowfall.

Crushed Stone, Ballast and Telford.

Output of Stone from City Crushers.

	Crushed Stone. Tons.	Telford. Tons.
Bleiler's ledge.....	2,521	
Centre street crusher.....	17,027	
Chestnut Hill avenue crusher.....	4,616	
Codman street crusher.....	13,975	
Commonwealth avenue crusher.....	8,283	
Dimock street crusher.....	26,204	
Kenney street crusher.....	6,177	
Mosman crusher.....	33,132	
Rosseter street crusher.....	17,073	734
Totals.....	128,990	734

The records of the Street Commissioners for the year 1900 show the following results :

Streets laid out or extended	.	.	8,415.23	feet
Streets widened and relocated	.	.	56,078	square feet
Streets discontinued	.	.	11	square feet
Increase in mileage	.	.	1.593	miles

Streets Laid Out, Extended, Widened or Relocated and Ordered to be Constructed.

Date.	Street.	Location.	Length Lin. ft.
Jan. 22, 1901..	†Ashby st.....	From Commonwealth ave. to Bay State road	297.57
Jan. 22, 1901..	†Bay State road..	From Granby st. to Chilmark st.....	1,415.35
Dec. 27, 1900..	Berkeley st.....	From Boylston st. to Columbus ave.....	
Dec. 31, 1900..	Boardman st.....	Formerly Chelsea ave., from Saratoga st. to B. & M. R. R.....	2,540.00
Jan. 23, 1900..	†Chilmark st.....	From Commonwealth ave. to Bay State road.....	255.44
Dec. 31, 1900..	Robinwood ave.	From Centre st. to Hazel st.....	1,783.12
June 8, 1900..	Trinity pl.....	From Stuart st. to Stanhope st.....	259.68
Jan. 26, 1900..	*Walk Hill st....	From South st. to Washington st.....	9,481.00

Streets Laid Out, Extended, Widened or Relocated.

Date.	Street.	Location.	Length. Lin. ft.
Dec. 8, 1900..	*Beacon st.	From Chestnut Hill ave. to Reservoir lane.....	5,750.00
July 24, 1900..	Congress sq.	South and East from the part connect- ing Devonshire st. with Congress st...	186.50
July 13, 1900..	Denny st.....	From Savin Hill ave.....	278.81
Aug. 7, 1900..	*Genesee st.....	South side, near Albany st.	40.00
May 31, 1900..	Hale st.	Formerly Crescent pl., from Green st...	294.00
Jan. 22, 1901..	Hutchings st. ...	From Humboldt ave. to Elm Hill ave. ...	1,104.76
May 22, 1900..	*Portland st.....	At Sudbury st.....	11.00
Jan. 5, 1901..	*Portland st.....	Opposite Market st.....	26.00
May 31, 1900..	*Washington st...	Near Milton boundary line.....	174.00

STREETS MADE PUBLIC HIGHWAYS BY DECREE OF COURT.

	Lin. ft.
Albert street	305
C street, Fargo to Congress street	386
Columbia avenue (laid out but not built)	6,523
D street, Fargo to Summer street	294
Dorchester avenue, Congress to Summer street	301
Fargo street, C to D street	550
Kemp street	495
Melcher street, A to Summer street	652
Power street	399
Summer street, Dorchester avenue to L-street bridge	4,954

* Square feet taken. † Built by private parties.

NAMES OF STREETS CHANGED.

February 21, 1900. — Dove street, now Dresser street, South Boston.

February 21, 1900. — Peter Parley street, now Peter Parley road, West Roxbury.

February 26, 1900. — Bothnia street, now St. Cecilia street, City proper.

February 26, 1900. — Brandon street, now Robert street, West Roxbury.

February 26, 1900. — Shamrock street, now Kimball street, Dorchester.

OPEN SPACES OR SQUARES NAMED.

May 4, 1900. — Junction of Talbot avenue, Washington, Norfolk and Centre streets, Dorchester, now Codman square.

June 21, 1900. — Junction of Washington street, Columbus avenue and Atherton street, Roxbury, now Egleston square.

January 5, 1901. — Junction of Prescott, Chelsea and Bennington streets, East Boston, now Day square.

PROPERTY IN CHARGE OF THE DEPUTY SUPERINTENDENT OF PAVING DIVISION.

Buildings and wharf on Albany street, opposite Sharon street. The building is of brick and wood, and covers some 8,000 square feet of land, and is divided into a shed for storage, blacksmith's and carpenter's shops, tool-room and stable. The total contents of the lot, including wharf and building, are 63,180 square feet.

Fort Hill Wharf, containing 21,054 square feet, placed in charge of the Paving Department May 18, 1874, to be used for the landing and storage of paving blocks and gravel until such time as said wharf shall be wanted for the extension of Oliver street. The greater part of said wharf is occupied by the Sanitary Division as a garbage dump, and the building thereon is leased to a tenant.

Ledge lot on Washington street, corner Dimock street, Roxbury, containing 134,671 square feet. Upon this lot are buildings containing a steam-engine and stone-crusher.

Highland street stable lot. Upon this lot is a large brick stable, erected in 1873, and occupied by the Sanitary and Paving Divisions; also a brick building used as a blacksmith's shop, and a shed for the storage of tools, etc.

Ledge lot on Codman street, Dorchester, containing 299,000 square feet, was purchased in 1870. Upon this lot is a shed containing a steam-engine and stone-crusher, also a stable and tool-house.

On the Almshouse lot, Hancock street, Dorchester, there are two stables, also a shed and tool-house.

Ledge lot on Magnolia street and Bird place, Dorchester, containing 81,068 square feet. This lot was purchased by the town of Dorchester in 1867.

Downer avenue lot, Dorchester, containing 35,300 square feet.

On Child street, West Roxbury, a lot of land containing 43,024 square feet, upon which are a stable and shed, blacksmith's shop, and tool-house.

Gravel lot in the town of Milton, on Brush Hill road, containing 64,523 square feet, leased May 13, 1843, by the town of Dorchester for 999 years; also lot of land adjoining, containing about 30,000 square feet, owned by the City of Boston.

Gravel lot on Morton street, Ward 23, containing about one-third of an acre, purchased by the town of West Roxbury in 1870, used for storage purposes.

Ledge and gravel lot, rear of Union street, containing about 37,000 square feet, purchased by the town of Brighton. This lot is at present leased.

Ledge lot on Chestnut Hill avenue, Brighton, containing about thirteen acres, upon which are an office, engine-house, stable and crusher plant.

On Medford street, Charlestown, a wharf lot, foot of Elm street, containing 8,000 feet, upon which are sheds, office, stable, etc.

In South Boston, corner of H and Ninth streets, stable, carriage-house, shed, tool-house and office on leased land.

On Hereford street, a yard with shed, tool-house and office.

Wharf, known as Atkin's Wharf, 521 Commercial street, purchased in 1887 for \$24,000, containing 22,553 square feet, having on it an office and stable, also Slate wharf adjoining on lease.

On Centre street, West Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Rosseter street, Dorchester, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Revere street, wharf for storing paving blocks, etc.

Wharf on Chelsea street, East Boston, containing 61,000 square feet, with buildings purchased in 1897 for \$15,000.

Wharf on East Eagle street, East Boston, known as Glendon wharf, used jointly with Sanitary, Sewer and Street Cleaning Divisions. Upon this lot are sheds, stable and offices on leased land.

On Montebello and Iffley roads, West Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

On Kenney street, Roxbury, buildings containing engines, stone-crushers, tools, etc., on leased land.

Permits have been issued from this office during the year ending January 31, 1901, as follows:

STREET OPENINGS.

	Permits.	Feet.
American Telegraph and Telephone Company,	12	108
Automatic Fire Alarm Company.....	2	880
Boston Cemetery Department.....	1	50
Boston Engineering Department.....	3	250
Boston Fire Department.....	56	5,665
Boston Lamp Department.....	567	7,131
Boston Park Department.....	2	90
Boston Police Department.....	34	4,740
Boston Public Building Department.....	1	100
Boston Public Grounds Department.....	27	175
Boston Street Department (Sewer Division) ..	781	51,710
Boston Water Department.....	2,767	130,746
Boston Water Department (Income Division) ..	47	649
Boston & Albany Railroad Company.....	2	100
Boston & Maine Railroad Company.....	27	897
Boston Electric Light Company.....	336	29,962
Boston Elevated Railway Company.....	411	183,590
Boston Gas Light Company.....	559	52,740
Boston Low Tension Wire Association	10	1,605
Brookline Gas Light Company.....	346	41,684
Charlestown Gas and Electric Company.....	55	3,920
Church Green Light and Power Company....	1	8
Dorchester Gas Light Company.....	332	32,972
Edison Electric Illuminating Company.....	510	43,395
Eastern Cold Storage Company.....	5	106
East Boston Gas Company.....	83	3,661
Jamaica Plain Gas Company.....	115	5,442
Lynn & Boston Railroad Company.....	11	3,080
Massachusetts Pipe Line Company.....	6	6,830
Metropolitan Water Commission.....	3	215
Metropolitan Sewerage Commission	4	410
Metropolitan Contracting Company.....	25	27,210
Massachusetts Telephone and Telegraph Com- pany	78	11,378
New England Telephone and Telegraph Com- pany	477	99,601
New York, New Haven & Hartford Railroad Company	11	1,520
Postal Telegraph Cable Company.....	32	1,515
Quincy & Boston Street Railway Company ...	1	100
Quincy Market Cold Storage Company.....	31	923
Roxbury Gas Light Company.....	331	27,892
South Boston Gas Light Company.....	177	7,986
Simpson Bros. Corporation.....	71	19,038
Standard Oil Company.....	14	145
Suburban Light and Power Company.....	1	10
Town of Brookline.....	1	20
Union Freight Railroad Company.....	11	1,775
West Roxbury & Roslindale Street Railway Company	15	608
Western Union Telegraph Company.....	11	1,715
Miscellaneous	3,179	198,447
Emergency Permits Class A.....	1,878	.....
Emergency Permits returned 1,423; estimated length in feet.....	.....	8,538
Total.....	13,460	1,021,332

Making a total length of openings of about 193½ miles.

Permits other than for street openings have been granted as follows :

Advertising by man wearing hat and coat	9
Cleaning snow from roofs	85
Dumping snow in public alleys	212
Driving cattle	41
Erecting, removing and repairing awnings	4,420
Erecting and repairing buildings	6,976
Feeding horses on the street	416
Moving buildings	44
Loading and unloading goods	514
Pedlers, two classes	1,471
Placing signs flat on buildings	2,405
Painting signs or notices on obstruction fences	21
Raising and lowering safes, machinery, etc.	556
Selling from areas	82
Selling from doors and windows	157
Special permits for various purposes	117
Selling from farmers' wagon-stands	625
Special permits for June 17 and July 4	125
Extension of permits	600
Emergency permits, class B	225

Permits to Project Electric Lamps and Signs as Follows:

Boston Electric Light Company	72
Edison Electric Illuminating Company	60
E. Howard Clock Company	1
Kitson Hydro Carbon Light and Heating Company	94
Suburban Light and Power Company	18
Washington Incandescent Company	18
Total	<u>19,364</u>
Total number of permits for street openings	13,460
Total number of permits for all other purposes	<u>19,364</u>
Grand total of permits issued	<u><u>32,824</u></u>

At the close of business on June 14 last all bonds with personal sureties were retired, and applicants for permits were notified that future bonds must be guaranteed by some one of the surety companies authorized to do business in the State of Massachusetts.

There are now on file 988 bonds, which are so guaranteed, and the result has been very satisfactory.

Under the old system, in many cases when it has been necessary to call upon the personal sureties to assume liability for damages caused by parties holding permits, it has been found that the sureties were worthless, as property which they possessed when signing such bonds had been transferred, and could not be held.

Over two hundred letters have been sent to storekeepers and house-holders in connection with selling fruit, etc., from doorways, windows and areas, and special care has been used in granting permits relating to that class of business.

There have been 14,037 notices sent to the various foremen during the year, directing them to repair defects in the public

streets which had been reported by the police and others; also, 3,581 letters and notices to private parties, departments and corporations to repair the streets where they had received permits for openings, and the resurfacing had been improperly done, and to owners of estates where coal-holes or sidewalk lights were defective.

Notices have been sent to Departments, corporations, and owners of abutting estates on streets where improvements were about to be made in 2,265 instances.

Four hundred and forty-two notices have been sent to Departments and corporations at the request of the Chief Engineer of the Paving Division, calling for various changes on account of street improvements.

INSPECTORS.

Inspectors connected with this office have been engaged in inspecting locations where permits had been granted for street openings or occupancy, and, where defects were found, the parties so opening or occupying have been notified and required to place the street complained of in satisfactory condition.

Inspectors have been detailed to serve with the various corporations at all times while their work has been in progress, and a report has been regularly received from them, in writing, giving the particulars of the work and its condition.

STREET NUMBERING.

During the year 106 whole streets were numbered or renumbered, 984 parts of streets were numbered, and 6,741 metallic figures were supplied.

The following table explains the work done by districts, and in addition gives the number of estates numbered, and the number of changes made necessary by renumbering or other cause.

	Whole streets num- bered.	Whole streets re- numbered.	Parts of streets numbered.	Estates numbered.	Estates on which numbers were changed.	Metallic figures supplied.	Total streets num- bered and re- numbered.
East Boston.....	1	4	69	123	34	341	5
Charlestown	2	1	18	75	12	127	3
City Proper	3	10	127	402	117	970	13
South Boston.....	3	10	43	229	143	698	13
Dorchester	5	17	322	888	321	2,018	22
Roxbury.....	4	12	176	563	143	1,319	16
West Roxbury.....	11	16	127	250	40	644	27
Brighton	7	.....	102	246	20	624	7
Totals	36	70	984	2,776	830	6,741	106

APPENDIX D.

REPORT OF THE DEPUTY SUPERINTENDENT
OF THE SANITARY DIVISION.

ROOMS 917-920 TREMONT BUILDING,
BOSTON, February 1, 1901.

B. T. WHEELER, ESQ.,

Superintendent of Streets:

DEAR SIR, — I respectfully submit the annual report of the expenditures, income and operation of the Sanitary Division of the Street Department during the financial year ending January 31, 1901.

The work of this Division consists principally in the removal of house offal, waste and rubbish, ashes made in the process of heating and cooking, and engine or power ashes.

The serious problem that confronted this Division at the opening of the year was the economical adaptation of its working force to meet the requirements of the eight-hour law, passed by the citizens at the election in December, 1899.

The loss of labor caused by the operation of this law on the basis of the number of men employed is approximately equal to 20,000 days' work.

In order to adjust the teaming labor so as to occasion the least waste of time and the most efficient prosecution of the work, an increase was made in the force of hostlers at the West yard. Teamsters were entirely relieved of the care of their horses and harnesses while at the stables, thus enabling them to give a full day to the work of collection.

The success of this experiment warranted its extension, and it was adopted at the Roxbury yard with the same satisfactory results. The further extension of the plan throughout the Division is now contemplated.

The securing of suitable dumping-places presents a problem difficult of solution, to which attention has been called in former reports. In all the more thickly settled sections of the City, the dumping-places are so remote from points of collection that the expense of hauling is vastly

increased, and this becomes equally true in the rapidly growing outlying districts. This is particularly applicable to the Charlestown District, where it is imperative that some relief be given, and it is therefore recommended that a scow be located near Charles River avenue to receive material collected in Charlestown and portions of the North and West Ends.

The objection of householders to gathering paper and other light waste into a separate receptacle, or to the so-called "third separation," has gradually diminished as the public has become acquainted with the plan and purpose.

The success of this separation is shown by the great increase in the quantity delivered to the City Refuse Utilization Company's plant, as compared with the previous year. The average weight per load in 1899 was 796 pounds; the average weight per load in 1900 was 1,045; increase per load, 249 pounds. The aggregate removal in 1899 was 6,669 tons, and in 1900, 8,581 tons — an increase of 1,912 tons.

The contract system now in operation in some of the suburban districts is unsatisfactory to the residents, and a continued source of annoyance to the Division; the substitution of labor under direct control of the Division is desirable, and is strongly recommended.

The extreme age of one of the Barney dumping boats necessitated the purchase of a new boat, the cost of which, \$17,500, was paid from the maintenance appropriation for the year. All three boats are now seaworthy and in excellent repair. The docks have been dredged to a depth sufficient to allow them to enter and depart at all tides.

Considerable expense has been incurred the past year in the employment of outside tow-boats, the Department boat not being always available.

The repair-shops at the Albany street yard have been improved, and they are now second to none of their kind. Early in the year the repair-shops of the Street Cleaning Division were merged into those of this Division, and many radical changes were made.

Both the blacksmith and wheelwright shops were supplied with all necessary modern machinery, and operated by an electric motor of fifteen horse-power. At the same time the nine forges of the blacksmith and horseshoeing shops were connected with a Sturtevant electric motor and fan. In short, the shops have been modernized, and are now thoroughly equipped for the work of repairing and constructing the rolling stock of the Street Department.

Commodious and convenient quarters on East Eagle street, East Boston, have replaced the location at Chelsea street, temporarily provided upon the substitution of Department force for contract labor in the collection of ashes in this section.

The stables and sheds on North Grove street are wholly inadequate to the increasing demands of the West District. Most of the carts and wagons are without covering, and shelter for many horses has of necessity been provided in old, unsanitary sheds, remote from the stable, while the stable walls are so bulged in places as to raise a question concerning their safety.

Apart from this, the several stables and sheds in charge of the Division have been kept in good repair.

The rolling stock has been put in excellent condition. Several large paper wagons have been added for conveying paper from points remote from the place of deposit.

Many horses are required to replace those nearly or quite unfit for service. Sixteen have been added during the year.

Respectfully yours,

C. A. YOUNG,

Deputy Superintendent.

FINANCIAL STATEMENT.

Amount of appropriation	\$600,000 00
Transferred from Bridge Division	4,238 30
Transferred from outside Divisions and Department appropriations	5,149 70
Returned on Dorchester contract	276 67
Total amount of appropriation	\$609,664 67
The total expenditures of the Division, including work done for other Divisions and Departments, and paid for by them was	\$649,745 59
Less amounts repaid	45,230 62
	\$604,514 97
Transferred from other Divisions and Departments appropriations	5,149 70
Net cost of maintenance Sanitary Division	\$609,664 67

TOTAL COST OF REMOVAL OF HOUSE DIRT, ASHES, WASTE,
RUBBISH AND HOUSE OFFAL.

Salaries, Deputy Superintendent, Clerks and Foremen	\$17,505 50
Office supplies and expenses	4,866 86

Ashes, Waste and Rubbish Account.

Expended for labor, as per pay-rolls,	\$178,160 36	
Expended for hired teams, per pay-rolls	53,142 50	
Expended for disposition of ashes	16,702 02	
Expended for disposition of waste and rubbish	13,171 53	
Expended for stock, as per ledger accounts	56,432 04	
Expended on contract, part of West Roxbury	2,450 00	
Expended on contracts, Dorchester	9,802 90	
		329,861 35

House Offal Account.

Expended for labor, as per pay-rolls,	\$104,048 31	
Expended for hired teams as per pay-rolls	5,465 00	
Expended for disposition of offal, ...	56,610 10	
Expended for stock, etc., as per ledger	34,023 22	
Expended on contract, East Boston, ...	8,000 00	
Expended on contract, Brighton	3,000 00	
Expended on contract, part of West Roxbury	1,800 00	
Expended on contract, Dorchester	6,323 60	
		219,270 23

Construction, Repair and Horseshoeing Shops Account.

Foreman		1,338 66
Expended for labor	\$30,893 07	
Expended for stock	21,946 28	
		52,839 35
Allowed time for holidays	\$23,451 14	
<i>Carried forward</i>	\$23,451 14	\$625,681 95

<i>Brought forward</i>	\$23,451 14	\$625,681 95
Medical attendance and allowed time for injured men	612 50	
		24,063 64

Total expenditures of the Sanitary Division, for
year ending January 31, 1901 \$649,745 59

Average price per cart load to remove and dispose
of waste material, \$1.39.

REVENUE RECEIVED FROM OUTSIDE DIVISIONS AND
DEPARTMENTS FOR BOARD AND CARE OF
HORSES, RENT, USE OF DUMPING BOATS,
SHOEING, AND FOR REPAIRING VEHICLES, ETC.

Paving Division	\$12,676 21	
Sewer Division	5,738 04	
Street Cleaning Division	22,930 13	
Street Watering Division	714 68	
Bridge Division	780 06	
Public Buildings Department, Repairs Division	15 25	
County of Suffolk	2,363 25	
Board of Health	13 00	
		45,230 62
		\$604,514 97
Transferred from Outside Division and Department appropriations		5,149 70
Net cost of Sanitary Division from February 1, 1900, to February 1, 1901.		<u>\$609,664 67</u>

Income.

Amounts of moneys deposited and bills presented to the City
Collector for collection for material sold and work performed by
the Sanitary Division of the Street Department during the year
ending January 31, 1901.

MONEYS DEPOSITED WITH CITY COLLECTOR.

From letting of scow privileges	\$1,906 35
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BILLS DEPOSITED WITH CITY COLLECTOR.

For the removal of engine ashes	\$11,499 74	
For the sale of manure	523 72	
For dumping refuse	13 65	
For renting portion of Fort Hill Wharf	1,341 66	
		\$13,378 77

Items of Expenditures and Revenue.

ITEMS.	Total Amount Expended.	Amount Paid by other Divisions.	Amount Charged to Sanitary Division.
Salaries of Deputy Superin- tendent and clerks.....	\$9,761 53	.....	\$9,761 53
Salaries of foremen.....	9,082 63	590 10	8,492 53
For labor in removing house- dirt and ashes.....	125,639 35	14,889 05	110,750 30
For labor, sub-foremen and inspectors, collecting house- dirt and ashes.....	15,258 58	1,447 49	13,811 09
For extra teams, collecting house-dirt and ashes.....	52,565 00	.....	52,565 00
For collecting house-dirt and ashes in West Roxbury, Dorchester, north of Park, School and Harvard sts., and Dorchester, south of Park, School and Harvard sts.	12,252 90	.....	12,252 90
For disposition of ashes.....	16,702 02	1,156 80	15,545 22
For ash stock, consisting of shovels, cart covers, etc....	369 85	.....	369 85
For labor, removing waste and rubbish	21,114 50	3,479 33	17,635 17
For labor, sub-foremen and inspectors on waste and rubbish.....	2,324 50	265 50	2,059 00
For hired teams on waste and rubbish.....	577 50	.....	577 50
For disposition of waste and rubbish.....	13,171 53	.....	13,171 53
For waste and rubbish stock.	14 20	.....	14 20
For labor, removing house offal.....	77,531 29	9,242 05	68,289 24
For labor, sub-foremen and inspectors, removing house offal.....	8,969 42	479 28	8,490 14
For extra teams, removing house offal.....	5,465 00	.....	5,465 00
For removing house offal in East Boston, Brighton, West Roxbury and Dorchester..	19,123 60	.....	19,123 60
For offal stock, consisting of wagons, buckets, etc....	799 30	.....	799 30
For disposition of offal.....	56,610 10	34 12	56,575 98
For labor of men employed in stables and yards.....	28,436 29	2,853 71	25,582 58
For allowed time, holidays...	23,451 14	3,211 43	20,239 71
For grain.....	18,449 23	1,637 42	16,811 81
For hay and straw.....	16,250 92	788 64	15,462 28
For medical attendance and allowed time on account of injured men.....	612 50	6 00	606 50
<i>Carried forward.....</i>	<i>\$534,532 88</i>	<i>\$40,080 92</i>	<i>\$494,451 96</i>

Items of Expenditures. — *Concluded.*

ITEMS.	Total Amount Expended.	Amount Paid by other Divisions.	Amount Charged to Sanitary Division.
<i>Brought forward</i>	\$534,532 88	\$40,080 92	\$494,451 96
For horses.....	5,225 00	.....	5,225 00
For veterinary services and medicines.....	2,215 12	.....	2,215 12
For stable and yard furnish- ings, consisting of curry- combs, sponges, brushes, etc.....	1,660 26	.....	1,660 26
For outside board and care of horses	797 86	.....	797 86
For outside horseshoeing, blacksmith work, wheel- wright work, harness work and painting.....	2,710 59	.....	2,710 59
For labor, stock and tools, blacksmith shop.....	15,838 09	.....	15,838 09
For labor, stock, etc., wheel- wright shop.....	14,444 76	.....	14,444 76
For labor, stock, etc., paint shop	8,412 84	.....	8,412 84
For labor, stock, etc., harness shop.....	7,575 98	.....	7,575 98
For labor, stock, etc., plumb- ing and gasfitting.....	119 44	.....	119 44
For labor, stock, etc., horse- shoeing shop, South Yard..	3,532 86	.....	3,532 86
For labor, stock, etc., horse- shoeing shop, West Yard..	2,915 42	.....	2,915 42
For dumping boats, labor, stock, etc.....	38,045 58	.....	38,045 58
For repairs on stables and sheds.....	1,728 14	.....	1,728 14
For fuel.....	780 73	.....	780 73
For gas.....	772 32	.....	772 32
For electric light.....	564 44	.....	564 44
For printing.....	1,746 69	.....	1,746 69
For stationery.....	853 01	.....	853 01
For advertising.....	395 15	.....	395 15
For rents.....	1,412 47	.....	1,412 47
For tolls and fares.....	200 00	.....	200 00
For telephones.....	923 92	.....	923 92
For office items and expenses	426 93	.....	426 93
For damages caused by City teams	73 89	.....	73 89
For incidentals	1,841 22	.....	1,841 22
	\$649,745 59	\$40,080 92	\$609,664 67
Transfers from outside Divi- sion and Department appro- priations for work per- formed for them.....	.....	5,149 70	
		\$45,230 62	

REMOVAL OF HOUSE DIRT, ASHES, WASTE AND RUBBISH, AND
HOUSE OFFAL.

This work shows a constant increase from year to year, as will be seen in the following tables, and is an indication of the actual growth of the City.

Previous to the year 1897, each load of ashes was equivalent to 44 cubic feet. During 1897 sideboards were attached to ash carts, increasing capacity of cart to 54 cubic feet.

Prior to 1899, waste and rubbish were not separated from the ashes. About 150,000 barrels of engine ashes, the residuum of coal used for power, were collected and removed.

On offal, each load is equivalent to 56 cubic feet; weight approximately 1½ tons on an average.

Many small dead animals — dogs, cats, etc., were removed, and a constant increase in this branch of the service is shown.

Force Employed on House Dirt, Ashes and Waste and Rubbish.

CITY FORCE.	No.	Hired Teams.	CONTRACTORS' TEAMS.			Total.
			North Dorchester.	South Dorchester.	West Roxbury.	
Sub-foremen.....	7	.....	.....	.....	.....	7
Inspectors	16	.....	.....	.....	.....	16
Tallymen	3	.....	.....	.....	.....	3
Teamsters.....	125	36	5	3	2	171
Helpers	131	37	5	4	3	180
Dumpers.....	26	.....	.....	.....	.....	26
Totals	308	73	10	7	5	403

Amount of House Dirt and Ashes Removed.

YEAR.		No. of loads of 44 cubic feet.
1896.....	House dirt and ashes, including waste and rubbish...	363,975
1897.....	“ “ “ “ “ “ “ “ “ “ ...	389,098
1898.....	“ “ “ “ “ “ “ “ “ “ ...	394,937
1899.....	“ “ “ “ exclusive of “ “ “ “ “ “ ...	329,096
1900.....	“ “ “ “ “ “ “ “ “ “ ...	344,682

Amount of Waste and Rubbish Removed.

YEAR.		NUMBER OF LOADS.		
		Ash Cart.	Paper Cart.	Market Wagon.
1899.....	.....	1,892	14,903	3,020
1900.....	.....	1,514	11,452	5,494

Force Employed on House Offal.

CITY FORCE.	No.	Hired Teams.	CONTRACTORS' TEAMS.				Total.
			East Boston.	Brighton.	Dorchester.	West Roxbury.	
Sub-formen.....	2	.....	.....	1	.....	.....	3
Inspectors.....	8	.....	.....	.....	.....	.....	8
Teamsters.....	61	3	6	4	9	3	86
Helpers.....	63	4	6	4	17	3	97
Dumpers.....	4	.....	.....	.....	.....	.....	4
Tallymen.....	1	.....	.....	.....	.....	.....	1
Totals.....	139	7	12	9	26	6	199

Amount of House Offal Removed.

YEAR.	No. of Loads.
1896.....	56,402
1897.....	56,783
1898.....	57,764
1899.....	59,956
1900.....	62,975

Material Collected by Districts.

	South Boston.	East Boston.	Charlestown.	Brighton.	West Roxbury.	Dorchester.	Roxbury.	So. End and Back Bay.	North and West Ends.	Totals.
House dirt and ashes,	28,284	17,055	18,613	13,864	22,485	30,721	65,855	77,843	69,962	344,682
Waste and rubbish...	383	62	202	.....	.....	.....	1,076	10,145	6,592	18,460
House offal,	4,063	3,726	2,887	1,563	3,084	6,173	9,548	21,102	10,829	62,975
Totals	32,730	20,843	21,702	15,427	25,569	36,894	76,479	109,090	87,383	426,117

Number of Loads of Material Collected from January 31, 1895, to February 1, 1901.

Years.	Waste and Rubbish.	Ashes.	Offal.	Total Loads.
1896.....	.....	363,975	56,402	420,377
1897.....	.....	389,098	56,783	445,881
1898.....	.....	394,937	57,764	452,701
1899.....	19,815	329,096	59,956	408,867
1900.....	* 18,460	¹ 344,682	² 62,975	426,117

* Average weight of load of waste and rubbish in 1899, 796 lbs.; 1900, 249 lbs. — aggregating a difference of 1,912 tons more removed in 1900.

¹ Collected by West Roxbury Contractor.....	8,495 loads of ashes.
“ “ No. Dorchester “	19,071 “ “
“ “ So. Dorchester “	11,637 “ “
Total.....	39,203
² “ “ East Boston “	3,726 loads of offal.
“ “ Brighton “	1,563 “ “
“ “ West Roxbury “	1,040 “ “
“ “ Dorchester “	6,173 “ “
Total.....	12,502

Final Disposition of all Waste Material by the Sanitary Division, Collected from February 1, 1900, to February 1, 1901, for this and other Divisions.

	Amount Collected.	Deposited on Low Lands.	Towed to Sea.	Plant of N.E. Sanitary Product Co.	Plant of City Refuse Utilization Co.	Collected by Contractors.	Totals.
House dirt and ashes	344,682	220,948	84,531	.....	.....	39,203	344,682
Waste and rub- bish.....	18,460	1,734	303	.....	16,423	.....	18,460
House offal.....	62,975	.....	23	50,450	.....	12,502	62,975
Street sweepings,	35,534	.....	35,534	.....	.....	.....	35,534
Cesspool dirt.....	2,916	.....	2,916	.....	.....	.....	2,916
Totals.....	464,567	222,682	123,307	50,450	16,423	51,705	464,567

Amount Expended for the Collection of House Dirt, Ashes, Waste and Rubbish and House Offal, Labor, Hired Teams and Contracts, and Disposition of same, Deducting Foreman, Yard and Stable Labor, Stock, etc.

DISTRICTS.	Waste and Rubbish.	Expended for Collecting.	
		Ashes.	Offal.
1. South Boston.....	\$423 50	\$16,994 25	\$9,114 75
2. East Boston.....	20 00	9,868 08	8,354 42
3. Charlestown.....	178 00	13,940 03	6,704 00
4. Brighton .....	.....	9,333 25	3,502 25
5. West Roxbury .....	.....	12,931 00	6,627 75
6. Dorchester .....	.....	10,273 15	6,793 85
7. Roxbury.....	1,411 00	44,392 38	21,991 25
8-9. South End and Back Bay.....	14,683 00	62,398 01	34,121 22
10. West and North Ends.....	7,301 00	42,171 00	14,895 00
11. Dumping Boats	13,171 53	3,016 70	55,694 92
Totals.....	\$37,188 03	\$225,317 85	\$167,799 41

Number of Carts and Wagons Collecting House Dirt and Ashes, Waste, Rubbish and Offal.

	Iron.	Wooden.	Total.
Offal wagons in use by the Sanitary Division.....	33	77	110
“ “ “ “ “ Thomas Mulligan, East Boston.....		6	6
“ “ “ “ “ Geo. T. Barnes, Brighton.....		6	6
“ “ “ “ “ David M. Biggs, Dorchester... ..		12	12
“ “ “ “ “ Geo. T. Barnes, West Roxbury... ..		3	3
Ash carts in use by the Sanitary Division		178	
“ “ “ “ “ John J. Moore, West Roxbury.....		3	
“ “ “ “ “ John McShane, Dorchester.....		15	
			196
Market wagons in use by the Sanitary Division.....		13	
Paper carts in use by the Sanitary Division.....		38	
			51
Ash and offal sleds			158
Total			542

Contracts.

OBJECT.	Contractor.	Price per month.	CONTRACTS	
			Commence.	End.
Removal of house-dirt and ashes:				
Part of West Roxbury.....	John J. Moore.....	\$191 66 ² / ₃	April 10, 1899...	April 10, 1901
North Dorchester.....	John McShane.....	500 00	April 2, 1900...	April 2, 1902
South Dorchester.....	John McShane.....	345 83	March 12, 1900...	March 12, 1902
Removal of house offal:				
East Boston	Thomas Mulligan.....	666 66	Feb. 23, 1900...	Feb. 23, 1901
Brighton	Geo. T. Barnes	250 00	June 1, 1898...	June 1, 1901
Part of West Roxbury.....	Geo. T. Barnes	150 00	April 1, 1898...	April 1, 1901
Dorchester	David M. Biggs	554 16	May 11, 1900...	May 11, 1902
Lease of wharf, Atlantic avenue	Jacob H. Hecht	{ 833 33 ¹ / ₃	March 1, 1898...	March 1, 1903
Disposal of house offal.....	New England Sanitary Product Company.....	{ 916 66 ² / ₃	March 1, 1903...	March 1, 1908
Disposal of waste and rubbish.....	City Refuse Utilization Co. .	3,950 00	June 1, 1898...	June 1, 1908
Disposal of waste and rubbish, Brighton District...	City Wastes Disposal Co..	458 33	Dec. 1, 1898...	Dec. 1, 1908
		* 41 66	Dec. 13, 1899...	Dec. 13, 1909

* No material has been delivered under this contract as the contractor has failed to provide the necessary plant for disposal of the material.

Material Sold by Contract.

OBJECT.	Contractor.	Price per year.	Bills Submitted to City Collector.
Manure of horses at South Yard.....	J. N. Smith.....	\$1 00 a horse.	\$196 24
" " " West and Charlestown Yards.....	Geo. P. Winn.....	2 00 " "	250 32
" " " Highland Yard.....	J. A. Budlong & Son.....	1 00 " "	77 16
			\$523 72

Recapitulation of Hay, Straw and Grain Used and Fed to Horses at Various Yards of the Division as well as for a Portion of Other Divisions.

MATERIAL.	Pounds.	Cost.	HORSES PER DAY.		NUMBER OF HORSES FED.
			Cost.	Fed out, Pounds.	
Hay.....	1,405,060	\$13,790 05	\$0.12 ⁵²⁰²¹ ₁₁₀₅₈₂	12 ⁷⁸⁰⁷⁶ ₁₁₀₅₈₂	Sanitary Division..... 75,264
Oats.....	1,396,288	15,328 84	.13 ⁹⁵³¹⁸ ₁₁₀₅₈₂	12 ⁶⁹³⁰⁴ ₁₁₀₅₈₂	Street Cleaning Division..... 31,648
Shorts	27,725	285 29	²⁸⁵²⁰ ₁₁₀₅₈₂	2 ⁷⁷²⁵ ₁₁₀₅₈₂	All others..... 3,670
Straw	168,085	1,436 65	.01 ³³⁰⁸³ ₁₁₀₅₈₂	1 ⁵⁷⁵⁰³ ₁₁₀₅₈₂	Total 110,582
Carrots	21,300	149 10	¹⁴⁹¹⁰ ₁₁₀₅₈₂	21 ³⁰⁰ ₁₁₀₅₈₂	
Salt.....	1,715	10 64	¹⁰⁶⁴ ₁₁₀₅₈₂	1 ⁷¹⁵ ₁₁₀₅₈₂	
Corn	13,552	136 20	¹³⁶²⁰ ₁₁₀₅₈₂	1 ³⁵⁵² ₁₁₀₅₈₂	Sanitary Division..... 206 ⁷⁴ ₃₆₅
Totals	3,033,725	\$31,136 77	\$0.28 ¹⁷³⁸¹ ₁₁₀₅₈₂	27 ⁴⁸⁰¹¹ ₁₁₀₅₈₂	Street-Cleaning Division 86 ²⁵⁸ ₃₆₅
					All others 10 ²⁰ ₃₆₅
					Total 302 ³⁵² ₃₆₅

AVERAGE PER DAY.

Sanitary Division horses	206 ⁷⁴ ₃₆₅	{ at \$0.28 ¹⁷³⁸¹ ₁₁₀₅₈₂ =	\$21,192 21 ⁸⁹¹⁰⁶ ₁₁₀₅₈₂
Street-Cleaning Division horses	86 ²⁵⁸ ₃₆₅		8,911 18 ³⁹⁰²⁰ ₁₁₀₅₈₂
All other horses.....	10 ²⁰ ₃₆₅		1,033 36 ⁹³⁰³⁸ ₁₁₀₅₈₂
Total.....	302 ³⁵² ₃₆₅	Total.....	\$31,136 77

MAINTENANCE OF FORT HILL WHARF AND DUMPING BOATS.
AMOUNT EXPENDED.

For towing by Department tow-boat	\$6,710 75	
For towing by hired tow-boat	1,412 00	
		\$8,122 75
For repairs on Fort Hill Wharf	\$94 23	
For repairs on dumping boats	3,767 73	
For repairs on both by Division employees	584 01	
		4,445 97
For rents	\$4,000 00	
For disinfectants	252 00	
For dredging	900 00	
For wharf and dumper supplies	249 63	
		5,401 63
For labor, foreman, messengers, crew and dumpers	\$7,955 07	
For holidays and allowed time for injured men	339 50	
		8,294 57
		\$26,264 92
Number of trips to sea by Department tow-boats	261	
Number of trips to sea by hired tow-boats	68	
		329
COST PER LOAD, INCLUDING RENTS, ETC., OF TOWING TO SEA WASTE MATERIAL BELONGING TO THIS AND TO OTHER DIVISIONS.		
The number of loads of waste material carried to sea	125,307	
The cost per cart load of waste material carried to sea	21.3 cents	
The cost per boat load of waste material carried to sea	\$79 83	
If to the above is added the cost of		
1 new Barney dumping boat purchased in September, amounting to		17,500 00
The entire cost would be		\$43,764 92
And cost of each boat load would be increased to		\$133 02
And each cart load to		<u>35½ cents</u>

DIVISION CONSTRUCTION, REPAIRS AND HORSESHOEING SHOPS.

An extensive plant is located at the South Yard, 650 Albany street, opposite East Newton street. At these shops all the construction of and repairs on Street and other Departments carriages, carts, wagons, etc., are made, together with the painting of the same. All harnesses are repaired and many made, horseshoeing done and all street signs are painted for the Paving Division.

For work done and materials furnished for outside Divisions and Departments there was received in the different shops as follows :

Wheelwright shop	\$5,383 60	
Blacksmith shop	8,704 26	
Paint shop	5,195 57	
Harness shop	1,904 29	
Horseshoeing shop, South End . .	1,699 05	
Horseshoeing shop, West End . .	1,617 55	
		\$24,504 32

For work done and materials furnished for the Sanitary Division there was expended in the different shops as follows :

Wheelwright shop	\$9,061 16	
Blacksmith shop	7,125 83	
Paint shop	3,335 97	
Harness shop	5,671 69	
Horseshoeing shop, South End . .	1,833 81	
Horseshoeing shop, West End . .	1,306 57	
		28,335 03

Total amount paid out, stock and labor, all Divisions and Departments		\$52,839 35
Foreman in charge	\$1,338 66	
Allowed time	2,500 00	
		3,838 66
		<u>\$56,678 01</u>

The following signs were built and painted for the Paving Division by the Sanitary Division of the Street Department.

STYLE.	1	2	3	4	5	6	7	9	10	11	Special.	Public Alley.	Private Way.	Total.
Number	4	2	391	27	60	199	63	9	287	13	7	28	51	1,141

Cost of Horseshoeing.

	Division Shops.	Outside Shops.
Stock	\$1,429 83	\$2,382 88
Labor	5,014 45	.....
	\$6,444 28	\$2,382 88

Divisions.

KIND AND STYLE.	Sanitary Division.	Street Clean- ing Division.	Sewer Division.	Paving Division.	Bridge Division.	County of Suffolk.	Water Department.	Purchasing Agent.	Repairs Division.	Board of Health.	Total.
New shoes.....	6,347	3,188	1,079	406	.....	201	.....	95	24	44	11,384
Bar shoes.....	90	22	75	5	.....	4	.....	.....	.....	.....	196
Resets	439	369	80	38	1	6	2	2	1	1	939
Leathers.....	2,803	1,473	479	188	.....	58	.....	40	12	22	5,075
Pads	59	13	24	.....	.....	.....	.....	.....	.....	.....	96

Average cost per shoe, 44 cents.

DETAILED ACCOUNT OF AMOUNTS PAID FOR WORK DONE BY THE
SANITARY DIVISION FOR OTHER DIVISIONS OF THE STREET
DEPARTMENT AND OTHER DEPARTMENTS.

For repair and construction work	\$21,187 72
For horseshoeing	3,316 60
For use of dumping boats	9,053 95
For hay, grain, and straw, board and care of horses,	3,395 34
For feeders, watchmen, and stablemen	1,817 58
For fuel, light, and telephone	692 22
For board and care of sick horses at Veterinary Hospital	146 00
For rent for use of Hecht's Wharf	5,200 00
For horses (2), \$450, credited by old horses, \$90, County of Suffolk	360 00
For snow work	61 21
	\$45,230 62

LAND AND BUILDINGS IN CHARGE OF THE SANITARY DIVISION.

South Boston Stable. (Leased.)

Stable and sheds, with accommodations for 16 horses, are located at corner of East Ninth and Vale streets, South Boston, and are occupied jointly by the Sanitary and Street Cleaning Divisions.

East Boston Stable. (Leased.)

Stable and sheds, with accommodations for 15 horses, are located at 324 East Eagle street, and are occupied jointly by Paving, Sewer, Street Cleaning, and Sanitary Divisions.

Charlestown Stable.

With accommodations for 25 horses, is situated on Rutherford avenue; lot contains 17,300 square feet of land; stable built in 1875, cost, \$5,083.07; sheds and outbuildings built in 1879.

Brighton.

Accommodation is provided by the Sewer Division at their stable on Western avenue for five horses of the Sanitary Division.

Highland Stable.

With accommodations for 72 horses, on the old Almshouse lot, Highland street, containing 81,082 square feet. A part of this stable and adjoining lot is used by the Paving Division. There is on this lot a brick stable built in 1873, which cost \$88,594.13. On this lot is an offal-shed, erected in 1875 at a cost of \$1,160.12.

The offal-shed was abandoned April 1, 1897, and in 1900 part of it was remodelled and is now used as a carriage-house and a wash-room.

South City Stables, Shops, and Sheds.

Situated on Albany street, opposite Newton street. The lot belonged to the City before being used for this purpose, and contains 90,780 feet.

The stable and buildings connected therewith are of brick. There are also on the premises five wooden sheds, used for storing wagons, etc. The stable is two stories high, with French roof, and has accommodations for 100 horses. Twenty-three horses are kept in sheds. Total original cost, exclusive of land, \$79,089.23. In 1899 a Veterinary Hospital was built and equipped for the purpose of caring for sick and disabled horses.

Connected with stables are blacksmith, wheelwright, paint, and harness-makers' shops, in which the wagons, carts, harnesses, etc., used by this and other Departments are constructed and kept in repair; also a horseshoeing shop for shoeing the horses of the Department located in this section of the City.

West Stables and Sheds.

The stable is a brick building, a story and a half high, 128 feet by 50, located on North Grove street, built in 1860, with out-buildings attached to the same. It has accommodations for 90 horses in stables and sheds. The lot contains about 45,152 square feet. On May 11, 1896, a horseshoeing shop was established for the purpose of shoeing the horses of the Department stabled in this section of the City.

Fort Hill Wharf.

Containing 21,054 square feet, placed in charge of the Sanitary Division; used as a dumping-station for the City's garbage and refuse, and as a mooring-place for dumping boats and scows which convey this material to sea and to the plant of the New England Sanitary Product Company; cost of constructing platform and dredging dock, \$6,219.33. There are three Barney dumping-boats, one of which was purchased during the past year, and these are in continual use, and are towed to sea by the Street Department tug-boat "Cormorant."

A portion of this wharf is used by the Street Cleaning Division as a locker for patrol push carts, etc., and a part is in use by the Paving Division.

Packard's Wharf. (Leased.)

Situated at 464 Atlantic avenue, used as a berth for dumping-boats in connection with Fort Hill Wharf. Leased from the widow and heirs of Henry C. Snow.

Hecht's Wharf. (Leased.)

Situated at 466 to 470 Atlantic avenue, containing about 35,460 square feet; leased from Jacob H. Hecht, March 1, 1898, for a period of ten (10) years. This wharf adjoins Fort Hill Wharf, and is occupied in part by the New England Sanitary Product Company as a berth for their scows and also by the buildings of the City Refuse Utilization Company for the disposal of waste and rubbish.

New England Sanitary Product Company Plant.

Situated on City Land, Pumping Station lot, Cow Pasture, Old Harbor Point, Dorchester.

APPENDIX E.

REPORT OF THE DEPUTY SUPERINTENDENT
OF THE SEWER DIVISION.

30 TREMONT STREET,

BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets :

DEAR SIR, — I respectfully submit report of the expenditures, income and operation of the Sewer Division for the financial year ending January 31, 1901.

The work of the Sewer Division is as follows :

The preparation of plans for sewerage works, the construction and maintenance of all drainage works, including the investigation of complaints in regard to defective drainage, the granting of permits for sewer connections and the preparation of plans for the assessment of the cost of sewer construction ; also the examination of the plans of other corporations proposing to construct works in public streets, with reference to their probable interference with sewerage works.

A general statement of the most important work done by the Division during the year, classified according to districts, is given in the succeeding pages.

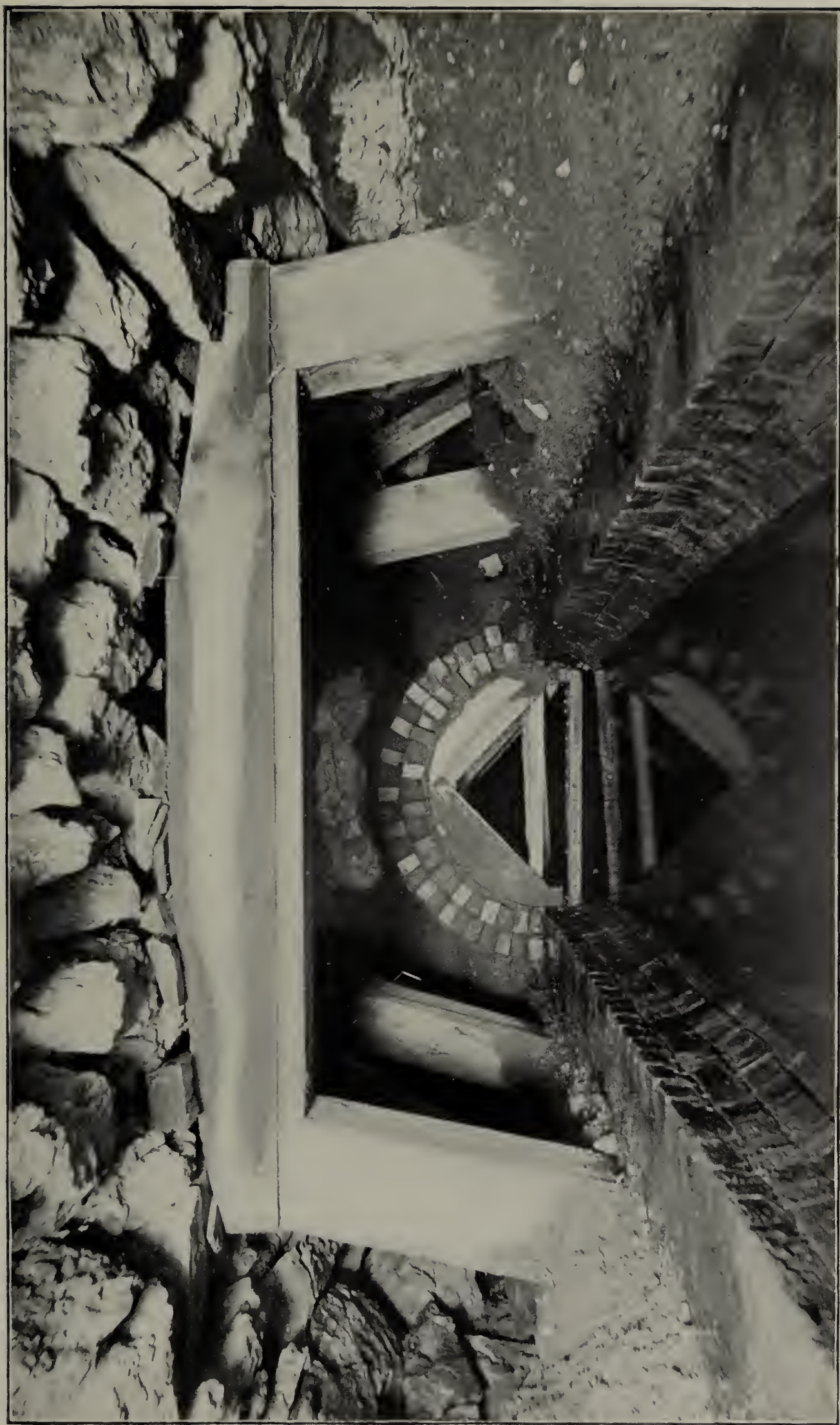
SOUTH BOSTON.

There have been built in this district during the past year 1,207.31 linear feet of pipe sewers, 3,073.42 linear feet of brick sewers and 12 feet wooden sewer — making a total of 4,292.73 linear feet or 0.813 miles, besides extensive repairs.

The principal sewerage works completed are :

The “ A ” street overflow connection with Russell’s dock. This work has relieved the sewers in the vicinity of A street and Congress street, which were greatly overcrowded in time of storm.

E street, from West First street to Summer street and in Summer-street extension. This work has provided an outlet



SEWER IN PRIVATE LAND, FORMERLY BLAKE STREET, SHOWING BRICK SEWER BUILT INSIDE OF OLD STONE SEWER.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

for sewers already built in Summer street, and others designed but not yet built in the lands of the Commonwealth.

Private land, formerly Blake street. This sewer was made necessary by the new location of the New York, New Haven & Hartford Railroad crossing this street, the old sewer not being strong enough to carry the heavy traffic which will run over this road. The new brick sewer was built inside the old stone sewer without disturbing the surface of the ground.

Rebuilding the B and Seventh streets overflow. This was made necessary by the heavy filling which will be placed over it, to carry the new location of the New York, New Haven & Hartford Railroad.

The sewer in Silver street between B and D streets, together with brick outlet in B street, has been rebuilt.

A new sewer has been built in Bell court.

Numerous minor repairs have been made in the district during the year.

So far as can be determined the following will be the principal works built in this district during the ensuing year:

Sewerage works in Leeds and Dixfield streets, laid out under chapter 323 of the Acts of 1891.

A portion at least of the sewers in the Strandway may be built.

The following sewers are in very bad condition, and should be either rebuilt or repaired as is found necessary at as early a date as possible.

D street, from Dorchester avenue to Eighth street, is very badly settled. It should have had a pile foundation, but was built without it. The rebuilding has been delayed owing to the uncertainty in regard to whether the depression in D street at the railroad bridge would be done away with or not. As long as this depression remained it complicated the design for the sewer, but it seems safe now to assume that it will be filled up to meet the grade of the new street, which will be built upon the old location of the railroad when this is abandoned by the railroad company.

The D street sewer, between West Second street and Broadway, East Ninth and Dunham streets sewers, and the sewer in Mercer street, with its outlet in Vale street.

Gold street, West Fourth street, West Fifth street, West Sixth street, West Seventh street and West Eighth street sewer, all lying between E and B streets.

K street overflow outlet should be extended and finished off in a manner similar to that at N street.

The outlets at H, M, and P streets should be extended through the Strandway to low-water mark in a manner simi-

lar to that adopted at N street, and a new outlet should be built for the overflow of the Q street sewer at First street.

ROXBURY.

There have been built in this district during the past year, 291.18 feet of brick sewers, 5,057.44 feet of pipe sewers, and 2,364.86 feet of surface drains, making a total of 7,713.48 feet, or 1.46 mile.

Sewerage works have been built during the year in Dunford street and Cardington street.

Chickamauga park.

Fort avenue.

Humboldt avenue, Waumbeck street to Hollander street.

Massachusetts avenue, Swett street to Dorchester brook sewer.

Gainsborough street.

Aberdeen street.

Kempton street.

Bay State road.

Faxon street.

Medfield street.

Roseland street.

Board of Survey street, No. 295.

Gainsborough street, between St. Botolph street and passageway.

Alleghany street.

Sachem street.

Ritchie street, between Columbus avenue and Marcella street, is in progress. This sewer is a continuation of the old brick sewer through the Marcella-street Home property, built about 30 years ago, and is a very important piece of work, as, when completed, it will relieve a large territory in the vicinity of Washington street and Kingsbury street. The sewers in this vicinity being so small, serious flooding results after every heavy storm.

The district which most needs immediate attention in Roxbury is the Ruggles street district, the principal streets of which are: Ruggles, Hammond, Warwick, Westminster and Cabot.

These sewers are all too high to properly drain the cellars, are badly out of line and grade, and are much too small to carry the "combined" flow.

The Bower and Sherman streets district, like the above,

has an old and dilapidated system, and a start should be made to rebuild it in the near future.

The Swett street district, so called, is now prominently brought to our attention by the proposed action of the Street Commissioners in laying out Atkinson street under chapter 323 of the Acts of 1891.

The George-street sewer, from Rockford street to Clarence street, is too small and high to drain the cellars. It should be rebuilt of a larger size and at a greater depth.

Owing to the rapid development of the territory in the vicinity of Humboldt avenue, Ruthven and Hutchings streets, the old sewers have become entirely inadequate. Many of the finest dwellings in this vicinity have been troubled by the backing up of sewage into the cellars, and the street and lawns have been flooded, causing considerable damage. A start should be made on a system of surface drainage during the next year.

Vila street district. The sewerage works necessary for Brookline avenue, between Longwood entrance and the Riverway will be built as soon as the plans and specifications can be completed. This will commence the work on the outlet for the Vila street district, the lower end of which is in Brookline avenue.

This district is at present discharging both house sewage and storm water into the Metropolitan sewer, and as soon as the portion of the surface drain in Brookline avenue is completed it should be carried at least as far as Vila street; and if the surface drainage system is not carried over the district this outlet should be converted into a temporary overflow for the system.

Fenway lands. — The surface drainage of this district, or as much of it as is built, is still discharging on to the surface of the marsh. The present outlets are in Kilmarnock street at Boylston street and Ipswich street, near Lansdowne street. The main surface drain of the district will be in Jersey street.

It is recommended that when the Jersey street drain is built the existing surface drains be extended to it, as the discharge of this water on to private land must soon cause a nuisance.

Smith Street District. — This district suffers severely in storms which are not of the severest; something should be done as early as possible.

A large surface drain in Smith street, from Stony brook channel in Parker street to Whitney street, would probably effect enough relief to silence a majority of the complaints from the residents of this district. Plans and estimates

have been prepared, and work will begin as soon as the work of the Metropolitan Sewerage Commission in this district will allow.

The wooden outlet for Muddy river in Brookline is in very bad condition, and will have to be extensively repaired and a portion rebuilt during the coming year.

Plans are in preparation for the proposed by-pass channel the Back Bay Fens for the foul water flow of Stony brook, and the work may be begun during the coming year.

On the Muddy river parkway, or Jamaicaway (so called), between the gate-house on Brookline avenue and Morss avenue in Brookline a similar problem exists to the Stony brook foul water channel, namely, the problem of providing a channel or channels for conveying away the flow of Muddy river, when the same is too foul for the open channel. A design has been prepared for this purpose, and the cost estimated at \$316,000. The town of Brookline discharges more foul water into the Muddy river channel by far than the City of Boston, and should join in building this channel, or else should be advised to take care of pollution on its own side.

Of the above-named price, if the two municipalities join, 32 per cent., or \$101,120, should be borne by the City of Boston, and 68 per cent., or \$214,880, by the town of Brookline; these proportions being based upon the respective areas of each municipality located in the watershed.

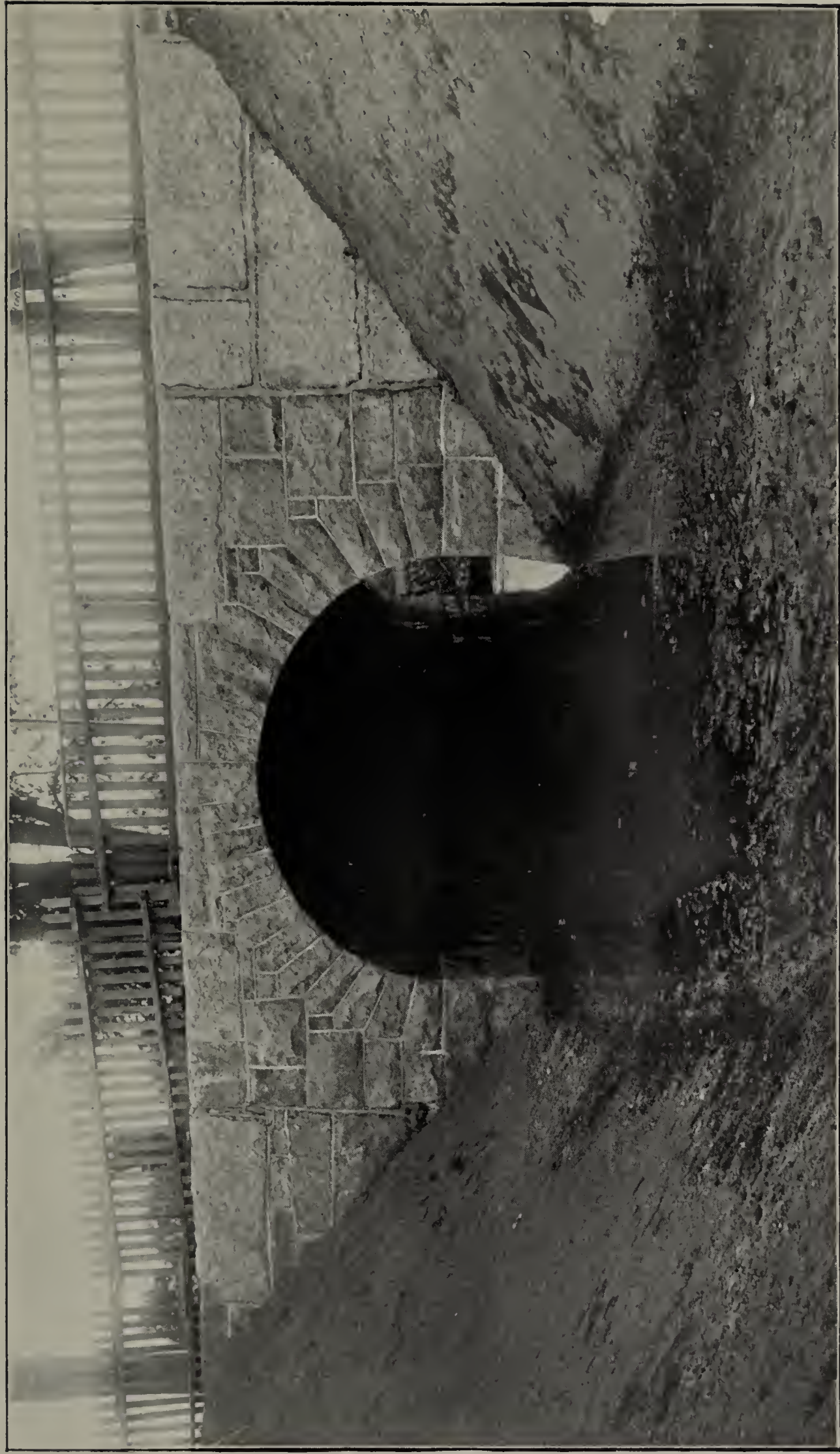
DORCHESTER.

There have been built in this district during the past year 24 feet of brick sewers, 17,746.93 feet of pipe sewers, 4,907.31 feet of brick surface drains, 11,841.96 feet pipe surface drains, 60.24 feet stone surface drains, 199.20 feet wood surface drains, making a total of 34,779.67 feet, or 6.59 miles.

The following work has been built during the year:

The 5-foot conduit, and house sewer on each side of the same, in Ceylon street, from Quincy street to Columbia road, has been completed. This drains the low portion of Columbia road near the railroad bridge and adjacent territory between Washington and Glendale streets and the low ground in the vicinity of Richfield street.

Massachusetts avenue, from Swett street to Edward Everett square, has been provided with house sewers from the railroad crossing to Edward Everett square and with catch-basins and surface drains for the entire length.



ADAMS STREET CULVERT FOR DAVENPORT BROOK, NEAR MINOT STREET.

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The Magazine street sewer which had an outlet into the South Bay at Massachusetts avenue has been connected with the interceptor, doing away with the outlet which had become a nuisance.

The repairing of the Dorchester interceptor at Freeport street has been begun.

Sewerage works in Boston, Draper, Barry, Conrad and Annabel streets have been completed, and have been begun in Hancock street.

A considerable amount of surface drainage work has been built in Dorchester during the past year. On the Canterbury branch of Stony brook the 10-foot circular brick conduit has been extended through Lyons street from Callender street nearly to Franklin field. A 7-foot circular brick conduit has been built on this brook between Bernard street and Franklin field. The Oakland Garden fork of this branch has been extended up Millet street to the culvert crossing this street near Wheatland avenue.

A pipe conduit is being constructed in Norfolk street, between Bernard street and Wentworth street, for a tributary of this brook, which comes from the south, and is known as the Wentworth street fork. This conduit should be extended through Wentworth street to the land of Harvard College. A 24-inch pipe surface drain, which is also a part of this system, has been carried from West Park street, through Kilton street, to and across the N. Y., N. H. & H. R.R., at Harvard street station, and obviates the flooding which regularly occurred at this point after every heavy rain-storm.

On Tenean creek, the structure on the south branch has been completed between Gibson and Dix streets, thereby making the structure complete from tidewater to Dorchester avenue, at Rosemont road.

The Ashmont street fork has been completed to Templeton street, and one branch continued to Wrentham street, near Bruce street.

On the north branch the conduit has been completed as far as Westville street, and now provides an excellent outlet for surface water for an area of about 350 acres of well-built-up territory, from Mt. Bowdoin to Park street and Dorchester avenue.

Davenport Brook. — A culvert has been built for this brook on Adams street, near Minot street, the Adams street sewer being lowered by siphoning in order to provide waterway for the culvert.

A brick conduit has been built for the brook in Magdala

and Van Winkle streets, and private land adjacent. Between Bailey and Burt streets the brook has also been enclosed in a brick conduit.

In addition to the above-mentioned work, house sewers or surface drains have been built in Cottage Park, Corbet, Maxwell, Codman, Norfolk, Millet, Burt, Florida, Shepton, Callender, Templeton, Chase, Fenton, Glen, Woolson, Hosmer, Harlem, Samoset, Gately, Beaumont, River, Adams, Washington, Mascot, Van Winkle, Montague, Shepton, Seaborn, and Florida streets, and in Neponset and Dorchester avenues; and are now in progress in Moseley street and Spencer street, between Athelwold and Harvard streets.

The principal work in Dorchester is, and will continue to be, the extension of the existing sewerage systems.

The sewerage system in Blue Hill avenue, between Mattapan square and Walk Hill street, is in an unfinished condition and should be completed. A part of the house sewer on the east side has been built in connection with the Mattapan brook conduit, but remains without an outlet.

At the Columbia road crossing of the Midland Division of the N. Y., N. H. & H. R.R. the sewerage system is in a complicated condition, a number of temporary expedients having been adopted pending the completion of the new railroad bridge. As soon as the abutments have been constructed the sewer system at this point will be completed in permanent shape.

The old pipe sewers in Vinson and Spring Garden streets need rebuilding.

In order to improve the conditions under which the Talbot avenue sewer is operated a complete separation of the house sewer and storm water systems throughout the Talbot avenue and Harvard street district should be effected. This work will consist principally in building surface drains to take the flow of the catch-basins out of the existing sewers.

In Dorchester a large amount of surface drainage work is called for, of which the following items may be mentioned:

Oakland Brook Culvert, across River Street, near the Hyde Park Line. — This culvert is in a dilapidated condition and unable to carry the brook when in flood, the water going over River street at this point. The brook at River street is the outlet for a drainage area of about 700 acres, partly in Hyde Park and mostly unimproved land. This culvert ought to be rebuilt at once, and takings made for the outlet down to some convenient point where an outlet can be obtained into the main brook or the Neponset river.

Mattapan Brook. — On this brook the conduit which has been built from the river to Fremont street should be extended far enough to cross the railroad track at least, and this work should be completed before work is begun on the abolition of the Blue Hill avenue grade crossing. The building of surface drains and culverts in West Selden street on this system may necessitate some clearing out and ditching of the watercourse between the points last named and West Selden street, but will hardly require the building of any masonry structures.

Davenport Brook. — This brook should be deepened at the lower end, below the culvert recently built at Adams street, enough to drain off the stagnant water standing under the culvert. A covered culvert should also be built between Van Winkle and Bailey streets, and between Burt and Ashmont streets. The pipe culvert under the car-house opposite Armandine street should be extended to connect with the lower Armandine street culvert and thence to the upper Armandine street culvert. There should also be a pipe conduit laid between the Rockwell and Stockton street culverts.

Tenean Creek. — The south fork of the brook should during the coming year be extended through Rosemont, Samoset, Centre and Gorham streets, and through private land, Brent, Wainwright and Lithgoe streets to the culvert across Centre street into which the Seaborn street system of surface drainage now discharges. The Ashmont street fork of this brook has been built as far as Templeton street, and one tributary continued as far as Wrentham street near Bruce street. Both tributaries should be continued up to Ashmont street during the coming year.

Freeport Street Brook. — The improvement of this brook between Columbia road and Hancock street near Winter street which has been forced by the widening and improvement of Hancock street will necessitate the improvement of the lower reaches of the brook, and it should be built during the coming year from tidewater to Hancock street, partly in private land and partly in the public streets. The Crescent avenue surface drain should be built across the New York, New Haven & Hartford Railroad and through Shoreham street before the new road-bed is put in use, and in order to allow the completion of Columbia road where Shoreham street crosses it. If possible it should also be extended up Carson street and Crescent avenue and relief overflows established from the existing sewer system into it in order to relieve the flooding which frequently takes place in this vicinity.

Dorchester Brook Sewer.—This sewer system is built throughout most of its extent on the combined system, but there are some parts where separate sewers have been put in. The separation of this sewerage system is one of the problems of the future, and the sooner it is undertaken the less expensive it will prove.

Canterbury Branch of Stony Brook.—On account of the development of the territory in the vicinity of Blue Hill avenue and Franklin field, this branch of the brook should be enclosed in a covered conduit from Don street to and across Blue Hill avenue and thence to Harvard street. Westerly from this point it may be improved by ditching for a long distance, no permanent structure seeming to be required until some time in the future.

A covered conduit should also be built from Lyons street northerly and westerly across Franklin field, gathering in all the branches coming from the east and connecting with the Franklin park brook (so called) near the corner of Talbot avenue and Blue Hill avenue. This last water course should also be improved and covered from Franklin field to the culvert across Blue Hill avenue near Angell street.

The Oakland Garden fork of this branch is now enclosed in a covered conduit all the way from Franklin field to the old site of the Oakland garden, except a short piece in Millet street and Wheatland avenue, where it flows through private land. This portion should be completed.

EAST BOSTON.

There have been built in this district during the past year 93.39 feet of brick sewers, 2,049.75 feet of pipe sewers, 48.70 feet of brick surface drains, 278.60 feet of pipe surface drains, making a total of 2,470.44 feet, or .46 mile.

The most important work done in this district during the past year has been the building of house drains, catch-basin drains and catch-basins in Wordsworth street, between Saratoga and Pope streets; building ventilating shafts for the Chelsea, Pope and Curtis street sewers, and cleaning and coating inside with Portland cement the sewer in Chelsea street, from Chelsea bridge to Curtis street. This work is now in progress, and is for the purpose of preventing the petroleum with which the ground is saturated from percolating into the sewer through the brick work. This oil evidently leaks from the tanks of the oil works on the north-westerly side of Chelsea street.

Sewers have also been built in Ashley street, Bennington street boulevard, Chelsea street, Eagle street, and private land, and Sumner street.

The most important work in the East Boston district for the ensuing year will probably be the building of the sewerage works necessitated by the laying out of the Bennington-street boulevard, although it is hoped that the Division may be able to make a start on at least one of the three intercepting sewers, which are very badly needed in this district, namely, the Breeds Island low level intercepting sewer; the North side intercepting sewer and the Moore street district interceptor.

It is also desirable to build a system of sewers for the East Boston parkway, so called, and to rebuild the Bennington and Chelsea street sewers from Eagle square to Sumner street.

BRIGHTON.

There have been built in this district during the past year 12,538.13 feet of pipe sewers, 2,746.01 feet of brick surface drains, 3,373.24 feet of pipe surface drains; making a total of 18,657.38 feet, or 3.52 miles.

The most important work in the past year has been in the line of surface drainage.

Sewers and small surface drains have been built in Tremont street, between Oak square and the Newton line; and in Cambridge street, between Union square and Washington street.

A covered brick conduit for the Faneuil Valley brook has been built in private land and Fairbanks street, from a point near Faneuil street to the culvert on Lake street, near Washington street, and a small pipe surface drain has been built in Washington street, between Cambridge street and Dighton place.

Sewers or surface drains have also been built in the following streets:

Adams street,	Cummings road,
Bothwell road,	Donneybrook road,
Brooksdale street,	Idlewild street,
Corrine road,	Maple avenue.

Private land north and south sides of Commonwealth avenue to Harvard avenue.

Private land and Madison avenue,	Riverview road,
Newcastle road,	Wallingford road.
Raneleigh road,	

The most important work of this Division in Brighton for several years will be in the line of surface drainage. There are a number of sewers which are too small to carry the floods of surface water, from which complaints are frequently received. They require relief by the building of surface drains.

Salt Creek brook conduit should be extended from its present terminus, near Gardner street, to Charles river. The longer this work is delayed the greater will be the cost, as it will be necessary to pass under the tracks of the B. & A. R.R., and the railroad people are constantly increasing the number of tracks at the point the conduit must pass under, they having freight yards at this place.

A beginning should be made on the conduits for the Shepard street brook, and also for the large outlet conduit from the Wool pond to Charles river, which will form the outlet both for Shepard street brook and the Faneuil Valley brook. The improvements in the upper waters of the Faneuil Valley brook, recently made, will force the City to do something on the outlet in the near future.

The outlet of the Everett street overflow should be extended to the Charles river at an early date, on account of floodings which occur during heavy rains. This outlet formerly emptied into a tidal creek which was filled up by building of the Speedway by the Metropolitan Park Commission. This Commission should bear a large portion, if not the entire, expense of extending this outlet.

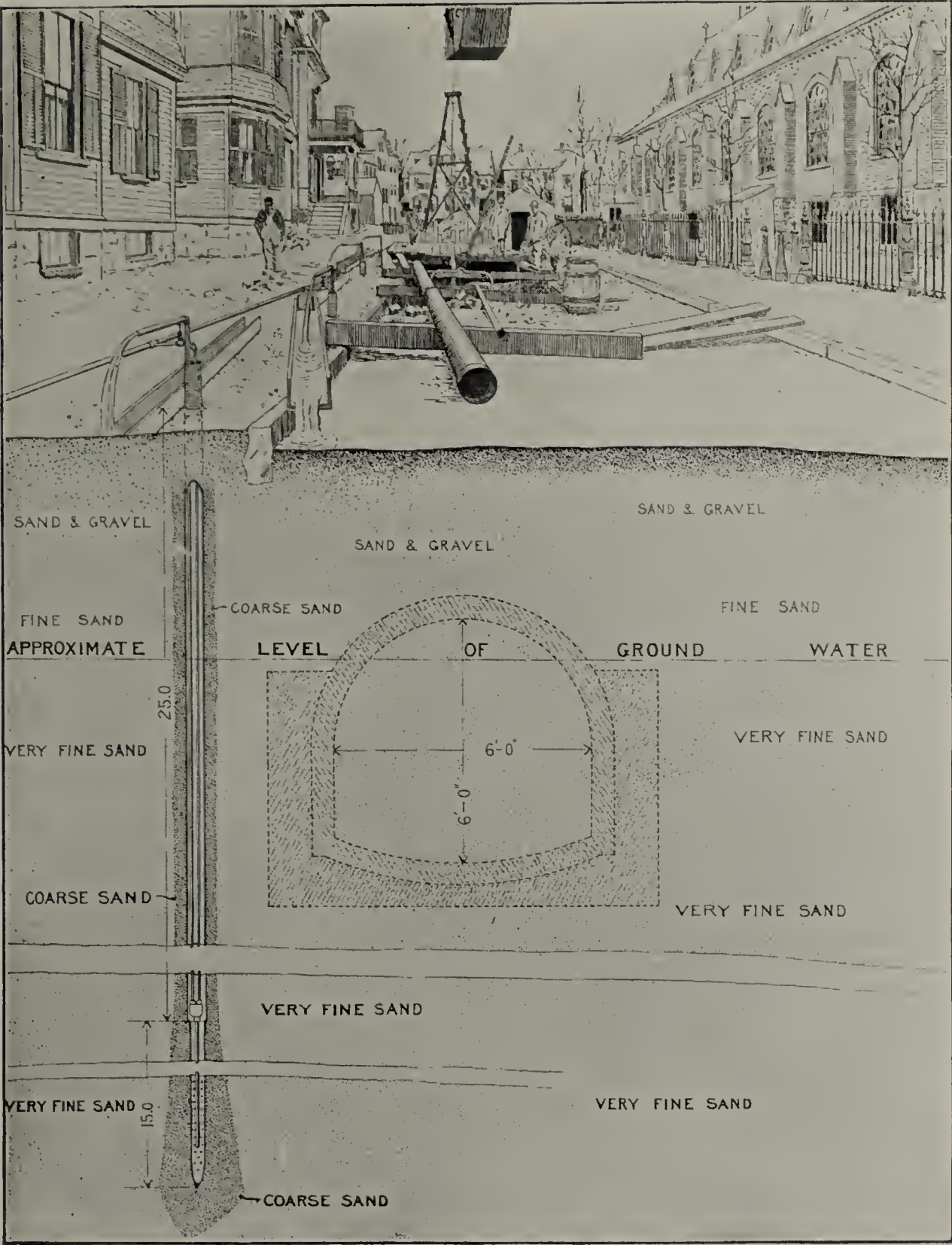
Surface drains should be built throughout the Aberdeen district, as the sewers in this district are on the separate system, draining into the town of Brookline system, and no catch-basins can be connected with them.

Requests have been received for house sewers in Summit avenue, Mackin street, Allston terrace, and Hichborn street, all meritorious cases.

WEST ROXBURY.

There have been built in this district during the past year 1,018 feet of brick sewers, 9,537.44 feet of pipe sewers, 3,038.86 feet of brick surface drains, 2,867.70 feet of pipe surface drains; making a total of 19,267.77 feet, or 3.65 miles.

The most important work done in West Roxbury has been the building of Goldsmith brook conduit in South and St. Joseph streets, and the building of a house sewer in Gardner street, between the Metropolitan sewer and Baker street, both quicksand jobs.



ST. JOSEPH STREET SEWER, SHOWING METHOD OF LOWERING THE LEVEL OF GROUND WATER DURING CONSTRUCTION.

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In the case of Goldsmith brook conduit, a bed of quicksand was encountered sixty feet deep below the grade of the conduit, and borings showed no stratum of gravel through which water could be pumped in order to dry out the quicksand, and a novel expedient was resorted to; that is, the sinking of tubular wells twenty to twenty-five feet below grade, surrounded by gravel, through which the water from the quicksand filtered to the well. The method adopted to accomplish this was first, to sink a 10-inch pipe by means of a water jet, then to place inside of it a 2½-inch pipe, perforated for about five feet at the bottom. This smaller pipe extended down to the bottom of the large pipe, the space between was then filled with coarse sand and the large exterior pipe withdrawn, leaving the perforated pipe surrounded with coarse sand. The water which filtered through was then pumped from the 2½-inch pipe by means of a steam ejector pump, placed at the bottom of the well, connected with a still smaller pipe in the interior of the 2½-inch pipe.

This scheme proved successful, and the quicksand was dried out enough to enable the work to proceed.

A complete sewerage system has been built in Perkins street and in LaGrange street, with an outlet in Pleasant street.

Sewers or surface drains were also built in Bellevue avenue, Ashland and Rowe streets, and private land, Beech street, Belgrade avenue and Lorraine street, Colberg avenue, Congreve street, Corey and Park streets, Corinth, Dale, Eastbourne, Westbourne, Cornell and Forest Hills streets, Grosvenor road, Knoll street, Oakview terrace, Selwyn street, Stratford avenue, and Washington street.

Surface drains should be built throughout the Mount Hope district, to relieve the congested condition of the sewers in times of storms. These sewers will outlet in the Roslindale branch of Stony brook, near its junction with the main brook. The Hewlett street branch of the Roslindale branch should be taken into a covered conduit from the South street culvert, near the new playground, to Walter street, and a covered conduit should also be built from Clarendon avenue across Poplar street to the Sycamore street branch of Stony brook to take care of the watercourse which floods Poplar street, near Heathcote street.

In order to provide the surface drainage for Rowe and Seymour streets a pipe surface drain should be built from the Neponset avenue branch of Stony brook, to and across the railroad location and longitudinally along the same and thence to and through Seymour street.

The Kirk street brook should be enclosed in a covered conduit from Kirk street to Centre street, and surface drains built in Farquhar, Fletcher, Congreve, Hewlett, Selwyn, Mozart, Walter and Mendum streets.

In addition to the surface drainage work required in West Roxbury, the most important house sewers required at present are the following, which will probably be built during the ensuing year:

Mendum street and outlet, Spring street, between Gardner and Centre streets, and outlet in Gardner street to Baker street, Elgin and Lorette streets, house sewers and surface drains, Montclair avenue and outlet, Sigourney street and Selwyn street.

CHARLESTOWN:

There have been built in this district during the past year 870.84 linear feet of pipe sewers and 1,410.63 linear feet of brick sewers, making a total of 2,281.47 linear feet, or .43 mile, besides extensive repairs.

A supplementary, 3 feet 6 inches circular sewer, has been built in Cambridge street, between Sever and Craft streets. This work was necessitated on account of the raising of the grade on Cambridge street in order to abolish the grade crossing, and increases the capacity of the existing sewer between these points, which is too small to carry the storm flow. This sewer should be extended to Rutherford avenue, thence through Rutherford avenue and Mishawum street to the Beach street outlet, about 1,200 feet.

Sewers have also been built in Arlington avenue and Beacham street, and are in progress on Alford street, on the Everett side of Mystic river.

The Rutherford avenue sewer should be rebuilt from Cambridge street to the outlet near Dunstable street.

The building of the sewers in the Beacham street district should also be carried on, including Beacham, Dorrance, Hamblen, Ford, West, George, Gilbert and Temple streets, and a connection should be made with the Metropolitan sewer in Arlington avenue.

The sewers in Tibbetts Townway and in Tufts street are in poor condition and should be rebuilt.

There is also needed a sewer in Concord street, from Monument square to Bunker Hill street.

The Warren avenue connection with the Metropolitan sewer should be completed. Part of this was built some two years ago, but, as at that time the Charles River avenue bridge was blockaded as far as traffic was concerned, it was

absolutely necessary to leave the Warren avenue bridge open and as unobstructed as possible.

At the present time the new Charlestown bridge having been completed and open to traffic, it will cause comparatively little inconvenience to people, travelling to and from this part of Charlestown, to close Warren avenue while putting in this connection, which probably would not occupy over a month.

CITY PROPER.

There have been built in this district the past year 2,936.08 linear feet of pipe sewers and 1,295.21 linear feet of brick sewers, making a total of 4,231.29 linear feet, or .80 mile, besides extensive repairs.

The Canal street relief sewer is now completed. Its end is at the junction of Canal street and Traverse street. When this sewer was first designed, it was the intention to rebuild the Canal street sewer, between Traverse street and Causeway street, and when this is done an improved connection will be established between the west side and east side intercepting sewers.

The sewer in Beverly street, which is in much worse condition than the others in the district, is being rebuilt between Charlestown and Causeway streets, and will therefore furnish a second connection between the west side and east side intercepting sewers.

The sewer in Haverhill street has recently been rebuilt. The material in which this sewer was rebuilt is of doubtful character, not soft enough to require piles, and yet not hard enough to build without the assistance of some artificial foundation. It was therefore decided to build into the side walls 6-inch I beams, one over the other, with broken joints.

In Commercial street, at Clark street, there is a wooden sewer which was in some way connected with tide-water. A great deal of salt water was let into the intercepting sewer. To remedy this difficulty the wooden sewer was cut off and abandoned as a sewer, although it can still be used as a catch-basin drain, a by-pass having been built around the tide-gate manhole to the overflow sewer. The houses which were connected with this sewer have been connected with the intercepting sewer, this being a departure from the customary rules of the Division and allowed; first, because this section of the interceptor is above the district regulator, and second, because if a new sewer were built to take the place of the old one it would have to lay alongside of, and almost against, the intercepting sewer and eventually dis-

charge directly into it. For these reasons it was thought better to make the exception, and a new tide-gate was built to take the place of the old leaky one on the overflow.

Oak Street. — The old sewer between Hudson and Albany streets, which was badly settled, has been rebuilt.

Stillman Street. — The old sewer between Endicott and North Margin streets, which was badly settled, has been rebuilt.

Utica Street, between Kneeland and Beach Streets. — The old sewer was in very bad condition and needed rebuilding for a number of years. This has finally been done, and is one of the most difficult jobs of its kind that has been encountered for some time. The sewer in Kneeland street was too high to form an outlet for this sewer if laid low enough to drain the house drains, which had probably settled with the old sewer. It was therefore decided to build a length of the Kneeland street low level house sewer between South street and Utica street. For temporary purposes this has been connected with the Kneeland and South streets sewer, which is on the "combined system," but should be continued to the end of the sewer which connected with the intercepting sewer in the railroad yard, the end referred to being on the line of Atlantic avenue.

Boylston Street, between Carver and Tremont Streets. — The building of the new theatre made it necessary to construct a new sewer in this street. This sewer is about 20 feet deep.

Albany Street, at Oswego Street. — The regulator on the Oswego street sewer at this point and the connection with the intercepting sewer have been built. This is one of the last pieces of work necessary to complete what is known as "changing the South Cove system."

East Brookline Street, between Harrison Avenue and James Street. — The sewer in this street was in very bad condition. It has been rebuilt. This sewer furnishes an outlet to a private drain from the Conservatory of Music, the poor outlet of which caused much annoyance.

Pleasant Street, at Porter Street. — Where the elevated railway structure crosses Pleasant street at Porter street, the railroad construction made it necessary to place a siphon in the sewer. As at some future time it is intended to carry the Kneeland street low-level house sewer into the Church street district, through Pleasant street, it was decided to lay the new pipes, which now form a siphon, at such a grade that the pipe which is to form the house sewer will be drained by the Kneeland street sewer, while the surface drain, which will find

its outlet through the Church street district, will always remain as a siphon.

Sewers have also been built in Eastern avenue, Poplar, Congress, Newland and Commercial streets, and Trinity place.

The principal work of the Division in the City Proper for the ensuing year will be the repairs and reconstruction of old sewers, which on account of settlement or decay have become unfitted for their purpose. There are a large number of sewers in the North End district which are in such condition as to offer practically a free entrance of tide-water into the sewerage system, and these should be replaced with sewers of modern design at as rapid a rate as possible, in order to relieve the intercepting sewers and the pumping station from this amount of leakage as well as from a sanitary standpoint.

MAIN DRAINAGE WORKS.

The principal innovation in the organization of the force, charged with the maintenance of this most important branch of our public works, has been in the combination of the districts including the Moon Island Reservoir with its appurtenances, Dorchester Bay Pumping Station, and the main and intercepting sewers and the maintenance of the channels of Stony brook under a single superintendent, responsible to the deputy superintendent of the Division; these various works, of necessity depending one upon the other for their efficient operation, were formerly each under independent supervision, and the placing of responsibility for any lack of co-operation was impossible. This change has greatly increased the efficiency of these branches of the service.

This work at present consists of the care and maintenance of the main and intercepting sewers throughout the City, pumping station and deposit sewers at Calf Pasture, Dorchester, and the reservoir and outfall and discharge sewers at Moon Island, Pumping Station at Lyons street, Dorchester, and the maintenance of the channels of Stony brook.

MAIN AND INTERCEPTING SEWERS.

The work of the main and intercepting sewer force consists of the building, repairing and cleaning of all tide-gates, regulators, sumps and overflows connecting with the Metropolitan sewers in Brighton, Charlestown, East Boston and Dorchester, as well as the similar connections with the main drainage works in the City Proper, Roxbury and South Boston, and

the cleaning of the main and intercepting sewers belonging to the City, and care of manholes on same.

The following shows the number of gates, regulators, sumps and overflows that have to be inspected after every storm or heavy rise of sewage in the main sewer, and cleaned when necessary.

	Gates.	Regulators.	Sumps.	Overflows.
Brighton . . .	40	16	17	20
Charlestown . . .	24	9	11	11
East Boston . . .	32	15	16	17
	288	61	111	144

The length of sewers to be inspected and attended to by this force in the City is twenty-four (24) miles.

The following is an account of the work done from February 1, 1900, to January 31, 1901:

MAIN AND INTERCEPTING SEWERS.

Length of sewers cleaned,	about 5 miles
Number of connections built,	6
“ “ new tide-gates built,	9
“ “ vapor gates “	17
“ “ regulators “	1
“ “ “ repaired,	30
“ “ tide-gates “	133
“ “ flushing-gates repaired,	8
“ “ gates cleaned,	2,000
“ “ regulators cleaned,	1,200
“ “ sumps cleaned,	3,800
“ “ overflows cleaned,	40
“ “ manholes repaired,	47

An automatic sewer gauge has been set up at the yard on Massachusetts avenue, to record the height of the sewage in the main sewer.

Eight other automatic gauges have been built, and they will be installed during the ensuing year in different places upon the branch intercepting sewers tributary to the main drainage system. The installing of these gauges will greatly facilitate the work of the Division in locating the source of any undue flow of water in the sewers.

Self registering tide-gauges will be installed at Moon Island, and at some point in the Charles river basin.

PUMPING STATION, CALF PASTURE.

The extensive repairs and alterations on the high duty pumps, and other work which has been going on for two years, are nearly completed, and it will now be possible, except in times of storm, to handle the sewage without running the low duty pumps. This will make a marked saving in coal consumption.

It will be necessary to start without delay the construction of the addition to the main building for the accommodation of the new 72,000,000-gallon pump that is under construction. New quarters for the machine shop will have to be provided, and the shop should be in operation before a start is made in setting up the new pump.

The deposit sewers are more nearly free from sludge than at any time since the system has been in operation. A day force only is required at present to keep them in such condition.

On February 1, 1900, there was in the deposit sewers 3,627 cubic yards of sludge; during the year there has been removed 13,242 cubic yards, and there is at present only 290 cubic yards in the sewers.

Other methods for handling this sludge will have to be adopted in the near future in order that the deposit sewers and the reservoirs at Moon Island may be utilized to their fullest capacity. Studies of such a system and plans for necessary apparatus have been made, and a beginning will be made during the ensuing year on necessary changes.

The following principal repairs and alterations have been made during the year:

Completion of Contract "F" covering extensive alterations on Leavitt engines, increasing their daily pumping capacity 16,000,000 gallons each.

New reheaters and new oiling gallery on Leavitt engines.

New valve chests and rods on Worthington engines and general repairs.

New circulating pump for supplying salt water to condensers of Worthington and Leavitt engines.

General repairs on piping.

New heating apparatus installed for engine-room and repairs to engine deck plates.

New jacket piping and returns to boilers from No. 3 and No. 4 engines.

New blow-off pipes and side and bottom manholes to boilers.

Rebuilding crematory for filth hoist screenings.

Many minor repairs have been made, and the plant is now in a fair condition of efficiency, but many other minor repairs will be necessary to put it in first-class condition.

The usual table showing the work done by the Pumping Station plant has been omitted from this report, as it seems to me that the methods used in determining the results given during previous years have been too crude to be reliable, and that the amount of sewage pumped by the plant has been largely overestimated. Reservoir measurements at Moon Island seem to show that the present dry weather flow through the Pumping Station does not greatly exceed 75,000,000 gallons per day of 24 hours.

LYONS-STREET PUMPING STATION.

At this station, besides the regular maintenance, the following work has been done :

Boilers and steam piping insulated; one new driving belt put in, and old one repaired; general repairs on inspirator, and feed-piping and gas-piping installed. Building has been ventilated and structures on the premises painted.

MOON ISLAND.

Besides the regular maintenance of these works, which consists of the storing and discharging the sewage of the City, twice daily, and the ordinary repairs incidental thereto, the following work has been done :

Completion of original contract for extension of reservoir.

Setting up of four gates and rams on flushing sewer.

Installation of air compressor, tank, shafting, etc.

Extension of gate-house for machine shop.

Paving of slope on south-westerly side of island.

Grading, sloping and loaming of surface west of reservoir.

Filling of cove, slope paving, and grading near easterly corner of reservoir.

Awarding of contract for four gate-houses on flushing sewer.

The following new construction or renewals should be attended to as far as possible the coming season :

New stable and storehouse.

Electric wiring and piping.

Fencing around reservoir.

Relaying and extension of salt-water main for washing reservoir walls.

Filling for protection of portion of sea-wall and grading of high slope at Moon Island head.



STONY BROOK, JUNCTION OF MAIN AND SUPPLEMENTARY CHANNELS AT BOYLSTON AVENUE.

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Sea-wall from gate-house to wharf.

Extension of wharf and dredging front of same.

Relaying original riprap for at least 1,000 feet on north side of discharge sewer.

STONY BROOK.

During the current year the following lengths of conduit have been built for the accommodation of Stony brook channels :

1,018 linear feet of $15\frac{1}{2}$ by 17 feet brick, main channel, ending at Cornwall street.

1,225 linear feet 9 by $9\frac{1}{2}$ feet brick, supplementary channel in Boylston avenue and Green street.

1,018 linear feet of 2 by $3\frac{1}{2}$ feet brick, West Roxbury low-level sewer.

The 9 by $9\frac{1}{2}$ feet supplementary channel of Stony brook is now connected with the old channel at Green street and will take the entire dry weather flow. As this is the portion of the flow of Stony brook which causes annoyance, we have gained by the building of this supplementary channel the practical advantages of extending the main channel to Green street. The appropriation for this work is exhausted.

The work on the maintenance of Stony brook consists of the cleaning of the covered main channel of the brook, from the Back Bay Fens to Cornwall street, with the repairs of all manholes and manhole coverings on this section; the cleaning of the open channel from Cornwall street to the Hyde Park line, and repairing all walls, banks, and fences; the cleaning of the old overflow channel, from the premises of the Boston Belting Company to the Back Bay Fens, and the care of all overflows on above channels, making total of $6\frac{1}{4}$ miles of watercourse to be cared for.

The old Stony brook channel from the gate-house in the Fenway opposite Bryant street to the premises of the Boston Belting Company, on Elmwood street, is built of rubble stone; part of the distance the construction being a double arch of dry rubble and part a double channel of square section, the sidewalks being loose rubble and the covering stone granite slabs. Both of these sections are in very precarious condition, the rubble arches being so loose that stones can be pulled out by hand from the inside. One or two cave-ins have occurred on this section, and when the Huntington avenue boulevard was built across it it was lined inside with brick masonry because it was unsafe to construct the street surface of the new boulevard over it. On the

square section the granite covering stones are continually breaking in the middle, and have been replaced in many places with timber. In other places the stones have been shored up with timber bracing. It is feared that either one of these sections may collapse at any time, and cause serious and expensive accidents. This channel should be rebuilt throughout its entire length in order to be safe, and at the time of rebuilding pipe sewers should be built on each side to take the drainage of abutting estates which are too low to drain into the existing sewers. Pollution unavoidably finds its way into this channel from these estates and will continue to do so until they are provided with proper sewerage.

The estimated cost of rebuilding channel, together with pipe sewers, is \$302,000.

There are a number of places along the line of the brook where repairs are necessary to the walls and fences. This work should be done as soon as possible after the frost leaves the ground in the spring. The need of these repairs, generally, is caused by the abutters raising the grade of their lots by filling.

ENTRANCE FEES, PERMITS, AND ASSESSMENTS.

Entrance fees to the amount of \$5,712.86 have been collected from estates upon which no sewer assessment was ever paid, in accordance with Chapter 38, Section 10, of the Revised Ordinances of 1898.

Bills for sewer assessments, amounting to \$617.36, have been deposited for collection, representing those estates assessed under Chapter 456 of the Acts of 1889, and amendments thereto, which have been connected during the year with the sewers for which they were assessed.

Two thousand one hundred and seventy-six (2,176) permits have been issued to licensed drain-layers to make connections with the public sewers, and the work done under these permits has been inspected, and a record of the same made on the plans of this Division, in accordance with the provisions of Chapter 38, Sections 6 and 10, of the Revised Ordinances of 1898.

Eight hundred and nine (809) permits have been issued to District Foremen and Contractors for construction and repairs of sewers and catch-basins.

Plans for the assessment of estates benefited by sewer construction have been furnished the Street Commissioners, representing 62,093 feet of sewers, costing \$264,074.

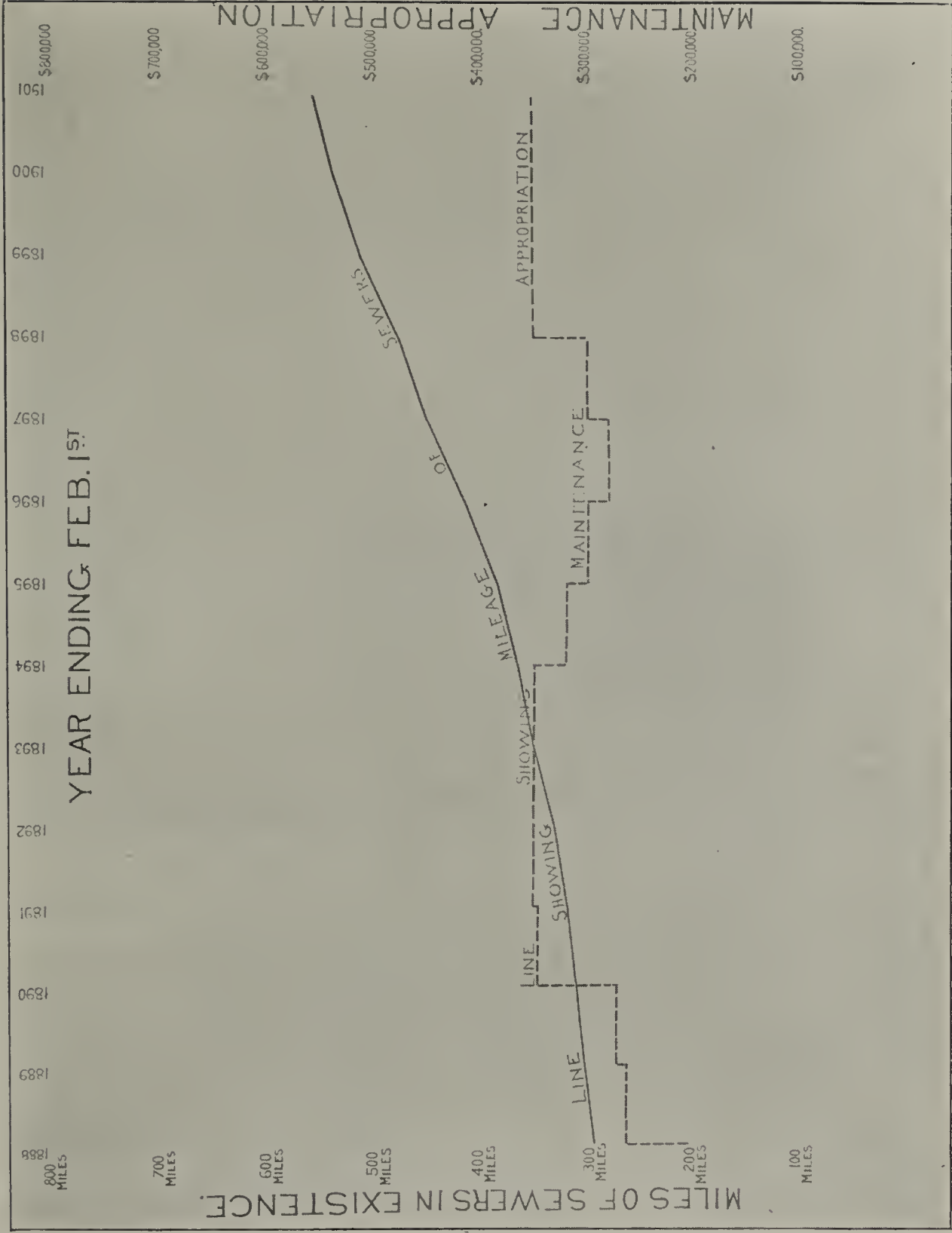


DIAGRAM SHOWING RELATIVE INCREASE IN MILES OF SEWERS MAINTAINED AND AMOUNT OF APPROPRIATION THEREFOR.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

GENERAL REMARKS.

The appropriation for the maintenance of the Sewer Division for the year was \$350,000. This appropriation has had no substantial increase during the past ten (10) years, and during the present year the amount of work which could be completed for this sum has been substantially reduced by the passage of the eight-hour law, although in that time the amount of sewerage works to be maintained has been nearly doubled. If the present state of efficiency is to be maintained, the appropriation must, of necessity, be increased in the near future.

During the year especial attention has been given to the cleaning of sewers and catch-basins, many of which were so filled as to seriously impair their usefulness. The result of such cleanings has already been made apparent by the decrease in the number of complaints received by the Division, as well as by the amount of sludge received in the deposit sewers at the Pumping-station. Improvements are still possible in this line, and the work should be continued during the next year.

It will be seen that the amount of sewerage works built during the year as expressed in linear feet is somewhat smaller than for the last few years. The shortage is due to the following principal reasons:

First. The excessive amount of large-size brick sewers and surface drains built. The rapid development of certain suburban districts, and the connection of the surface drainage with the house sewers, has overcrowded the sewers, with the result that many districts are flooded during every rainstorm.

Such sewer systems should be relieved by the building of drains for surface water. The same effect is caused in old natural watercourses, and it has been the policy of the Division to apply as large an amount of the appropriations as possible to the construction of work for the relief of such cases.

By reason of the liberal appropriation of \$1,000,000 each year for sewers, a large proportion of the meritorious petitions for house sewers has been granted, and the sewers built, and in the future an increasing proportion of the annual amount will be available for the building of surface drainage structures, and the intercepting sewers necessary for connection with the various Metropolitan systems.

The more meritorious cases have already been referred to in the district reports.

Second. It is estimated that for the year the introduction

of the eight-hour law has reduced the amount of linear feet of sewers which would have been built if the force had been on an nine-hour basis by about 6,200 linear feet, and that the amount of other structures has been reduced in the same proportion. The effect of the eight-hour law has been to reduce the value of the work done under the appropriation of the Sewer Division by an amount which is estimated to be approximately \$18,000.

Third. The largely increased expenditures for land takings, construction work at Moon Island, and payments on pumping machinery now under contract, have greatly reduced the appropriation available for building sewers the present year.

The Metropolitan Sewerage Commission is now actively engaged in building a high-level sewer to accommodate portions of Roxbury, West Roxbury, Dorchester, and Brighton. When this is done and put in operation, the City of Boston will be assessed its portion of the cost (the assessment being based upon the territory which is figured as tributary to the high-level sewer). Before this territory can be drained into the high-level sewer a large amount of work must be done in building the necessary branch intercepting sewers, and, properly, these sewers should be completed and ready to be put into operation at the same time as the Metropolitan Sewer, otherwise the City will pay for service which it does not receive, as was the case in regard to East Boston and Charlestown, where the City had to pay its assessment for a number of years while receiving no benefit from the North Metropolitan Sewer, and is at present paying for connections for sewers which are not yet built, the fault being the City's own in not completing its connections. Work should be begun on these tributary high-level intercepters the coming year. There will be required 67,500 feet, being 12.8 miles of sewers, ranging in size from twelve inches to five feet in diameter.

A rough estimate of the cost of construction of this system of sewers is \$1,484,500, or in round numbers \$1,500,000, exclusive of land damages.

Respectfully yours,

GUY C. EMERSON,

Deputy Superintendent.

Financial Statement.

APPROPRIATIONS.	Balances on hand February 1, 1900.	Appropriations during the year.	Total Credits.	Expenditures during the year.	Balances on hand January 31, 1901.
Street Department, Sewer Division .....	.....	\$362,118 85	\$362,118 85	\$362,060 24	\$58 61
Sewerage Works	\$57,533 17	900,000 00	957,533 17	921,140 48	36,392 69
Stony Brook Improvement (Chap. 397, Acts 1899)	198,481 35	.....	198,481 35	198,481 35	.....
Totals	\$256,014 52	\$1,262,118 85	\$1,518,133 37	\$1,481,682 07	\$36,451 30

OBJECTS OF EXPENDITURES.

STREET DEPARTMENT, SEWER DIVISION.

Improved Sewerage Maintenance.

Pumping Station and Moon Island,	\$121,788 08	
Tow-boat	\$13,800 72	
Less paid by Sani- tary Division	6,710 74	
		7,089 98
		\$128,878 06

*Pumping Station, Forest-avenue Section,
Dorchester.*

Maintenance	7,543 12
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Stony Brook.

Maintenance	5,265 38
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Miscellaneous Maintenance Charges.

Office and engineering force, salaries and ex- penses	15,156 27
Current expenses of yards, lockers, stables, etc.	\$83,418 98
Less amount earned by Depart- ment teams	32,130 50
	51,288 48
Repairing and cleaning catch-basins, sewers and general repairs	100,898 81
House connections, work for other Departments, incidental expenses, etc.	20,805 56
Hardware, tools, rubber goods, etc.	9,119 59
Telephones not included elsewhere	1,414 27
Stable, Eagle street, East Boston	1,853 23
Freeport street interceptor	1,672 80
	\$343,895 57
In excess of Sewerage Works Appropriation	15,454 67
Increase in stock at yards	2,651 39
Transferred to City Treasury	58 61
Total maintenance	
	\$362,060 24

SEWERAGE WORKS.

Improved Sewerage Construction.

Pumping Station and Moon Island . . . \$157,835 82

Sewer Construction.

South Boston	\$74,660 92
East Boston	32,227 62
Charlestown	21,523 71
Brighton	65,076 76
West Roxbury	109,143 66
Dorchester	231,812 20
Roxbury	18,172 11
City Proper	98,312 24
	650,929 22

Miscellaneous Construction Charges.

Office and engineering force, salaries and expenses	101,277 82
Hardware, tools, rubber goods, etc.	24,274 94
New manholes	2,277 35

	\$936,595 15
Less amount paid from Sewer Division	15,454 67
Total	\$921,140 48

Stony Brook Improvement.

Construction and engineering	\$198,481 35
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Recapitulation.

Street Department, Sewer Division	\$362,060 24
Sewerage Works	921,140 48
Stony Brook Improvement, Chapter 397, Acts of 1899	198,481 35
Total	\$1,481,682 07

Summary of Sewer Construction for the Twelve Months ending January 31, 1901.

DISTRICT.	Built by the City by Contract or Day Labor.	Built by Private Parties.	Total length built during the 12 months ending Jan. 31, 1901.
City Proper.....	3,963.29	268.00	4,231.29
East Boston.....	2,470.44	.....	2,470.44
Charlestown.....	2,281.47	.....	2,281.47
South Boston.....	4,292.73	.....	4,292.73
Roxbury.....	4,056.64	3,656.84	7,713.48
West Roxbury.....	17,450.04	1,817.73	19,267.77
Dorchester.....	31,320.59	3,459.05	34,779.64
Brighton.....	12,420.72	6,236.66	18,657.38
Totals	78,255.92	15,438.28	93,694.20

Summary of Sewer Construction for five years previous to February 1, 1901.

	1896.	1897.	1898.	1899.	1900.
Built by the City by contract or day labor.....	116,008.25	134,324.93	203,139.68	99,772.15	78,255.92
Built by private parties...	37,825.92	38,969.14	9,325.99	17,955.05	15,438.28
Total number of feet built	153,834.17	173,294.07	212,465.67	117,727.20	93,694.20

Schedule of Sewers Built to Date in the City of Boston, February 1, 1901.

DISTRICT.	Total length built during the 12 months ending Jan. 31, 1901.	Length rebuilt and abandoned during the 12 months ending Jan. 31, 1901.	Additional length for 12 months ending Jan. 31, 1901.	
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Miles.</i>
City Proper.....	4,231.29	2,141.00	2,090.29	0.40
East Boston.....	2,470.44	.....	2,470.44	0.47
Charlestown	2,281.47	.....	2,281.47	0.43
South Boston.....	4,292.73	724.17	3,568.56	0.68
Roxbury	7,713.48	55.00	7,658.48	1.45
West Roxbury.....	19,267.77	.....	19,267.77	3.65
Dorchester	34,779.64	514 92	34,264.72	6.49
Brighton	18,657.38	12.42	18,644.96	3.53
Totals	93,694.20	3,447.51	90,246.69	17.09
Length built previous to January 31, 1900.....				510.66
Total... ..				527.75
Length of intercepting sewer				24.12
Total.....				551.87
Total mileage of streets containing sewerage works.				408.2

Catch-basins Built February 1, 1900, to January 31, 1901.

	Number.	
City Proper.....	43	1,051,176 linear feet of sewers flushed. 1,868 cubic yards material removed from sewers. 11,140 catch-basins cleaned; 30,773 cubic yards removed. 1,524 of these catch-basins were cleaned by contract at an average cost of \$3.92 per basin.
Roxbury	72	
Dorchester.....	101	
West Roxbury.....	66	
Brighton	42	
Charlestown.....	16	
East Boston.....	29	
South Boston.....	8	
Total.....	377	

Report of Sludge Received in and Removed from the Deposit Sewer for Twelve Months Ending January 31, 1901.

1900.	Received.	Removed.	
February.....	707 cubic yards	765 cubic yards	
March.....	435 “ “	1,190 “ “	
April.....	721 “ “	1,190 “ “	
May.....	1,042 “ “	1,065 “ “	
June	814 “ “	1,184 “ “	
July.....	1,014 “ “	1,328 “ “	Sludge in sewers Feb. 1, 1900, 3,627 cubic yards.
August.....	1,212 “ “	1,426 “ “	
September.....	801 “ “	1,075 “ “	Sludge in sewers Feb. 1, 1901, 290 cubic yards.
October	1,365 “ “	1,180 “ “	
November.....	760 “ “	1,081 “ “	
December	447 “ “	833 “ “	
1901.			
January... ..	587 “ “	925 “ “	
	9,905 cubic yards	13,242 cubic yards	

Real Estate in Charge of the Sewer Division.

OWNED BY CITY.	Assessed Valuation.	
	Land.	Buildings.
Sewer yard, 678 Albany street, South End.....	\$56,400	\$3,000
Sewer yard, Columbus avenue, Roxbury.....	7,300	
Sewer yard, Rutherford avenue, Charlestown.....	13,000	4,000
Sewer yard, Massachusetts avenue, near Albany street, South End.....	56,400	3,000
Sewer yard, Western avenue, Brighton.....	8,600	5,500
Pumping station, Old Harbor Point, Dorchester...	98,000	300,000
Land, buildings and reservoirs at Moon Island and Squantum.....	19,500	4,300
Sewer yard, North Grove street, West End. (Occu- pied in common with other Divisions of the Street Department).....	66,720	28,000
Sewer yard, Child and South streets, West Rox- bury. (Occupied in common with Paving Di- vision)	19,300	3,000
LEASED.		
Sewer yard, Revere street, West End. (Occupied in common with Paving Division. Leased from J. J. Costello)	76,500	3,500
Sewer yard, Eagle street, East Boston. (Occupied in common with other Divisions. Leased from trustees of Glendon Company)		
Sewer yard, Old Harbor street and Columbia road, South Boston. (Office building owned by Sewer Division. Leased from estate of Choate Burn- ham).	4,800	3,200
Sewer yard, Gibson street, Dorchester. (Buildings erected by Sewer Division. Leased from trustees of Gibson School Fund).....	7,000	5,000

APPENDIX F.

REPORT OF THE DEPUTY SUPERINTENDENT
OF THE STREET CLEANING DIVISION.

921, 922, 923 TREMONT BUILDING,
BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets :

DEAR SIR, — I respectfully submit the annual report of the expenditures, income, and operation of the Street Cleaning Division of the Street Department for the financial year ending January 31, 1901.

Consideration should be given to the fact that the enforcement of the eight-hour law during the year has entailed an additional expense of about \$27,000 on the Division; there has been employed on full time throughout the year, nevertheless, an average force of about three hundred and fifty men whose combined salaries and wages represent about 70% of the total amount of money expended during that period for all purposes. The result of this additional expense is shown to some extent by the tables which follow.

In March last the repair-shops at the South End yard were abolished; the shops of the Sanitary Division, adjacent, having been increased in capacity by the installation of electric power and introduction of many improvements, now perform all the work formerly done by both Divisions at this point at a considerable saving to the City.

The method of sweeping the business sections at night prevailed for some years after the establishment of this Division and was satisfactory in its operation, but for some unknown reason machine sweeping was discontinued in the West and North Ends in September, 1898, and the system of night sweeping, instead of being extended, as its merits would warrant, was practically abandoned. Convinced, after studying this feature of the work, that this method gave the best results, and caused the least inconvenience to the public, it has been substituted for day work and for hand-sweeping,

except by a patrol system, which is established to augment its efficiency. Streets throughout the entire street-cleaning territory are now machine swept by night, except under extraordinary conditions of temperature and weather. Patrol districts in consequence have been somewhat enlarged, since the patrolman finds his street clean for him in the morning, and it is only necessary that he bend his energy to keeping it in that condition during the day. With the extension of the patrol system during the coming year, as intended, the most satisfactory results for the amount of money expended will be obtained.

While there was some complaint made upon the establishment of this system by those whose conservatism remonstrates against what they are pleased to call a novelty and innovation, such complaints have now entirely ceased, and the public is, I think, satisfied that the method employed is for the greatest good of the greatest number.

Among the many problems which vex this Division there is none, perhaps, more difficult of solution than the prevention of the nuisance of paper-littered streets. No matter how well machines or push-cart men may broom a street surface and clean it of all that which is unsanitary, it presents an unsightly appearance if papers or rubbish of a similar character be thrown upon it. While it is apparently impossible for the police force to prevent the violation of the ordinances by the sweeping of house litter into the street, it is especially annoying to note the average citizen throwing his newspaper, empty boxes, and fruit peelings upon its surface, and this too in the presence of, or, at least, within the knowledge of, those whose duty it is to see that the City Ordinances are respected. There certainly is sufficient law to prevent this annoyance, and the remedy is in the hands of the Board of Police to apply; the duty of this Department, then, is to minimize as far as possible this annoyance, and to this end the paper patrol system has been organized and extended. A marked improvement at once followed its introduction, and although the cost of teaming thereby caused is in excess of that of previous years, the results have been commensurate, and the system should be still further extended.

In this connection, permit me to remind you of the ordinance you suggested for consideration to the City Council last October. To quote your language: "The Street Cleaning Division of this Department suffers expense and great annoyance because of the paper blown from open barrels upon its newly clean surfaces. I would suggest" (you

wrote) "that the Law Department prepare an ordinance which shall enable us to enforce the following rule: 'All papers, light waste, and other general refuse, must be placed in covered receptacles, separate from those used for the ashes and offal, or, if too bulky, must be tied in bundles, to prevent their being scattered, and must be protected from the weather until collected.'" The ordinance was drafted and the matter referred to the Committee on Public Improvements, where I trust it does not lie buried. If so, I hope it will be resurrected; for it is indisputable that much of the litter that fouls our streets comes from the barrels that are placed upon the sidewalks by storekeepers.

The force, which was established in East Boston immediately before I took charge of the Division has been slightly increased, and employed on full time during the year. This district was formerly visited twice a week by the Charlestown gang. It now receives similar care to other sections of the City, at a cost of about \$12,000. A new stable has just been opened, which accommodates the Sanitary, Paving, Sewer and Street Cleaning Divisions, and under this improved condition of things better results for the ensuing year are anticipated.

The work of the patrol, or push-cart men, has been already alluded to, and recommendation is made that this branch of the service, whose merits have long ago been fitly recognized, should be extended. There have been considerable additions to this force during the year and, in nearly every instance the men employed were all young and active.

It will soon become a question where the City may deposit its street sweepings. Many of the extensive low lands have been filled in; and in the suburban districts dependence is largely placed upon the owners of private property. The Charlestown dump will soon cease to be available, and the dumping scow at Fort Hill Wharf is not always able now to take all refuse carted to it; the teams have frequently had to leave the wharf and resume their haul, sometimes to a distant dump, and at increased expense.

Much misunderstanding between this Division and abutters on public alleys, regarding their care, developed during the early part of the year. The Public Alley Act of 1898 provided for the construction of these alleys by the Superintendent of Streets, and assessment of the cost thereof upon the abutters, but especially provided that—

"CHAP. 298, SECT. 2. Said city shall not be liable for any defect or want of repair in any public alley, nor be required to keep the same free from snow, but shall be required to

keep the same free from any substance which is liable to cause sickness or a nuisance.

“SECT. 3. Whoever drops or places and suffers to remain in any public alley, any snow or ice, or any rubbish or obstruction of any kind, shall be fined not exceeding fifty dollars for each offence.”

Abutters seemed to be of the opinion that, notwithstanding the provisions of this Act, above quoted, they were at liberty to throw into the alley all kinds of house and store refuse, and that it was the duty of this Division to remove the same. The Act does not even place the duty of removing substances liable to cause sickness or a nuisance upon this Division, but by arrangement with the Board of Health this Division assumed the performance of this work.

The public alley does not have the same standing in law as the public highway, and the duties of this Department toward it are not the same. It is now, after construction, to all intents and purposes a private way, repairs to which, and removal of snow and ice from which, the City does not assume, but agrees only to keep it in a healthful condition.

There is imperative need of more and better stable facilities in the West End and Roxbury districts, which can only be obtained, in the West End particularly, by the construction of new City stables upon a comprehensive plan, occupying to advantage the land which is now covered with small stables, barns and sheds.

The property of this Division, rolling stock especially, is in excellent condition.

Respectfully yours,

FRANK H. HAYNES,

Deputy Superintendent.

FINANCIAL STATEMENT.

Appropriation, 1900-1901	\$330,000 00
Transferred from Bridge Division	9,747 23
Total amount of appropriation	\$339,747 23
Total amount of expenditures	\$339,747 23

OBJECTS OF EXPENDITURES.

Superintendence.

Salary of Superintendent	\$3,000 00
Office pay-rolls	4,244 88
Stationery	313 66
Printing	1,153 62
Board of horses, not mentioned elsewhere	708 23
Telephone service	470 91
	<u>\$9,891 30</u>

Machine Sweeping of Paved Streets.

This includes cost of sweeping, loading and removal of street dirt.

District 1, South Boston	\$16,470 67
District 2, East Boston	6,723 31
District 3, Charlestown	13,313 09
District 7, Roxbury	16,856 60
District 8, South End :	
Up-town gang	15,007 77
Down-town gang	38,855 50
District 9, Back Bay	7,289 22
* District 10, West End and North End	4,521 06
District 10, West End	15,298 22
District 10, North End	15,323 76
	<u>\$149,659 20</u>

Hand Sweeping.

District 10. West End and North End.

Bag-carriers, push-carts, teaming, etc.	\$5,479 73
Snow-work, not mentioned elsewhere	988 68
Superintendence	382 50
	<u>\$6,850 91</u>

Discontinued April 8, 1900.

* April 8, 1900, hand sweeping (see above) was discontinued and sweeping by machines substituted in the West and North Ends. The cost of sweeping in these two sections of District 10 is kept separate.

Cleaning Gutters.

This includes cost of sweeping, loading and removal of street dirt.

District 1, South Boston	\$1,835 98
District 2, East Boston	4,094 62
District 3, Charlestown	3,178 87
District 7, Roxbury	5,828 55
District 8, South End :	
Up-town gang	4,113 01
Down-town gang	111 23
District 9, Back Bay	6,206 69
District 10, West End and North End	—
	\$25,368 95

Total length of gutters cleaned 3,282.72 miles.
Average cost per mile (including *pro rata* cost of dump), \$7.95.

Cost of Maintaining Dumps.

District 1, South Boston	\$542 75
District 2, East Boston	104 37
District 3, Charlestown	579 60
District 7, Roxbury	668 05
District 8, South End :	
Up-town gang	557 03
Down-town gang	562 29
District 9, Back Bay	559 65
District 10, West End and North End	113 75
District 10, West End	218 40
District 10, North End	235 20
	\$4,141 09

Removing Snow.

This includes labor on crossings, in streets, carting of snow, etc.

District 1, South Boston	\$580 99
District 2, East Boston	399 04
District 3, Charlestown	491 80
District 7, Roxbury	1,097 10
District 8, South End :	
Up-town gang	529 54
Down-town gang	3,462 76
District 9, Back Bay	1,141 17
District 10, West End and North End	1,013 36
District 10, West End	642 53
District 10, North End	695 40
	\$10,053 69

See Patrol System and Hand Sweeping.

Miscellaneous.

This shows the cost of such work as may not be characterized the same in all districts.

District 1, South Boston	\$54 02
District 2, East Boston	48 31
District 3, Charlestown	116 20
District 7, Roxbury	334 29
District 8, South End :	
Up-town gang	79 76
Down-town gang	21 30
District 9, Back Bay	80 85
District 10, West End and North End	23 81
District 10, West End	152 07
District 10, North End	—
	<u>\$910 61</u>

Patrolling by Districts.

This includes the cost of picking up and the removal of refuse papers, etc., from the streets.

District 1, South Boston	\$879 23
District 2, East Boston	764 84
District 3, Charlestown	798 00
District 7, Roxbury	1,551 38
District 8, South End :	
Up-town gang	49 74
Down-town gang	30 78
District 9, Back Bay	3 00
District 10, West End and North End	71 03
	<u>\$4,148 00</u>

See Patrol System.

Public Alleys.

Labor and teaming	\$139 97
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Push-Cart Patrol System.

Superintendence, inspection, etc.	\$3,574 10
Push-carts — labor, teaming, etc.	41,336 15
Paper-patrolling	1,919 50
Stock	1,452 21
Snow-work	1,985 43
Holidays	2,255 32
Repairs at Station, 95 Columbus avenue	94 63
Sundries — repairs, etc.	2,113 17
	<u>\$54,730 51</u>

Stable and Yard Expenses.

This includes the cost of the South End, West End, Roxbury, South Boston, Charlestown and East Boston stables, as follows :

Superintendence of stables	\$1,396 20
Labor, including the cost of feeders, hostlers, broom-makers, watchmen, yardmen, messenger, etc.	24,335 28
Cart and carriage repairs	4,202 17
Harness repairs	1,156 19
Horseshoeing	3,070 41
Sweeping machine repairs	4,154 47
Stable and shed repairs	384 17
Street-car tickets	550 00
Tool repairs	59 10
Veterinary services and medicine	1,107 79
Board and care of horses, not mentioned elsewhere	136 91
Hay and grain in stock and paid for	198 59
	<u>\$40,751 28</u>

See Patrol System.

Stock Account.

Broom stock purchased	\$6,866 84
Harnesses and horse furnishings purchased	595 40
*Horses purchased	5,151 83
Tools purchased	639 35
Sweeping machine purchased	1,100 00
Bag-carriers	20 25
	<u>\$14,373 67</u>

Miscellaneous.

Holidays	\$11,890 91
Scow (cost of disposal at sea of 35,534 loads of street dirt)	8,284 14
Sundries	1,162 33
Royalty on sweeping machines	588 33
Annuity	300 00
Ellis reward	500 00
	<u>\$22,725 71</u>

* See Patrol System.

GENERAL RECAPITULATION OF EXPENSES.

Superintendence	\$9,891 30
Machine sweeping of paved streets	149,659 20
Hand-sweeping	6,850 91
Cleaning gutters	25,368 95
Maintaining dumps	4,141 09
Removal of snow and ice	10,053 69
Miscellaneous work	910 61
Paper-patrolling	4,148 00
Cleaning public alleys	139 97
Patrol system, push-carts	54,730 51
Stable and yard expenses	40,751 28
Stock account	14,373 67
Miscellaneous	22,725 71
	<u>\$343,744 89</u>

Of the above amount, the sum of \$3,997.66 was paid by other Departments and Divisions for work done, thus making the net expenses of this Division, as shown in the financial statement, \$339,747.23.

INCOME.

Amount of bills deposited with the City Collector during the financial year ending January 31, 1901, \$4,188.35.

Table showing the Cost per Mile of Machine Sweeping, etc., of Paved Streets in each District, Exclusive of Supervision and other Expenses.

DISTRICTS.	Miles.	Cost of Cleaning.	Pro Rata Cost of Dump.	Total Cost.	Cost per Mile.
1.....	1,193.05	\$16,470 67	\$488 40	\$16,959 07	\$14 21
2.....	572.77	6,723 31	64 85	6,788 16	11 85
3.....	1,041.81	13,313 09	467 87	13,780 96	13 22
7.....	889.46	16,856 60	495 65	17,352 25	19 50
8 Up-town.....	1,294.75	15,007 77	437 20	15,444 97	11 92
8 Down-town.....	4,829.39	38,855 50	560 68	39,416 18	8 16
9.....	611.45	7,289 22	302 26	7,591 48	12 41
10 West and North Ends.....	398.26	4,521 06	113 75	4,634 81	11 13
10 West End.....	1,940.24	15,298 22	218 40	15,516 62	7 99
10 North End.....	1,507.35	15,323 76	235 20	15,558 96	10 32
	14,278.53	\$149,659 20	\$3,384 26	\$153,043 46	

Average cost per mile of cleaning streets in districts, exclusive of supervision, \$10.71.

Table showing the Cost per Mile of Machine Sweeping, etc., of Paved Streets in each District, Including Supervision, Labor, Yard and Stable Expenses.

DISTRICTS.	Miles of Streets Cleaned.	Cost of Cleaning Streets.	59% of the Total Cost of Super- vision.	73% of the Cost of Yard and Stable Ex- penses.	Total Cost.	Total Cost per Mile.
1.....	1,193.05	\$16,959 07	\$646 68	\$3,280 41	\$20,886 16	\$17 51
2.....	572.77	6,788 16	258 85	1,313 05	8,360 06	14 59
3.....	1,041.81	13,780 96	525 50	2,665 67	16,972 13	16 29
7.....	889.46	17,352 25	661 68	3,356 48	21,370 41	24 02
8 Up-town..	1,294.75	15,444 97	588 95	2,987 55	19,021 47	14 61
8 Down-town,	4,829.39	39,416 18	1,503 02	7,624 34	48,543 54	10 05
9.....	611.45	7,591 48	289 48	1,468 43	9,349 39	15 28
10 West and North Ends,	398.26	4,634 81	176 73	896 52	5,708 06	14 33
10 West End..	1,940.24	15,516 62	591 68	3,001 41	19,109 71	9 84
10 North End..	1,507.35	15,558 96	593 29	3,009 60	19,161 85	12 71
	14,278.53	\$153,043 46	\$5,835 86	\$29,603 46	\$188,482 78	

Average cost per mile of cleaning the streets in districts, including supervision, etc., \$13.20.

Table showing the Number of Loads of Street Dirt Removed.

DISTRICTS.	Number of loads of dirt removed.	Cost per load of cleaning streets and removing to dumps, in- cluding fore- man's superin- tendence.
1.....	22,101	\$0 82
2.....	6,446	1 67
3.....	9,519	1 73
7.....	11,985	1 89
8 { Up-town Gang.....	9,873	1 93
8 { Down-town Gang.....	19,137	2 03
9.....	6,961	1 93
10 { West End and North End.....	2,156	2 09
10 { West End.....	7,410	2 06
10 { North End.....	7,843	1 95
	103,431	
Removed by hand-sweeping force up to April 8, 1900.....	1,298	3,793
Removed by push-cart, patrol system.....	6,806	108,213
Removed by district push-carts.....	.....	18,666
Removed by paper patrol.....	2,486	
Totals.....	114,021	130,672

Total number of cart loads removed..... 114,021
Total number of barrel and bag loads removed..... 130,672

Thirty-five thousand, five hundred and thirty-four (35,534) loads of these street sweepings (or 31 per cent. were delivered at the dumping scow at Fort Hill Wharf, the towing of which to sea cost twenty-three (23) cents per load.

Public Waste-barrels.

Total number of waste-barrels emptied	.	.	14,241
Total number of subway barrels emptied	.	.	1,541
			15,782

SUMMARY.

Miles of paved streets cleaned	.	.	.	.	14,278.53
Miles of gutters cleaned	.	.	.	.	3,282.72
Loads of street dirt removed	.	.	.	.	111,535
Loads of paper and refuse removed	.	.	.	.	2,486
Push-cart barrels emptied	.	.	.	.	130,672
Waste-barrels emptied	.	.	.	.	14,241
Subway barrels emptied	.	.	.	.	1,541

PROPERTY OCCUPIED BY THE STREET CLEANING DIVISION.

South Boston.	Lease of stable, corner of Vale and Burnham streets.				
East Boston.	Part of stable, on East Eagle street. Leased.				
Charlestown.	"	"	"	"	Rutherford avenue. City stable.
Roxbury.	"	"	"	"	Highland street. " "
South End.	"	"	"	"	650 Albany street " "
West End.	"	"	"	"	North Grove street " "
Back Bay.	Lease of building, 95 Columbus avenue.				

APPENDIX G.

REPORT OF THE DEPUTY SUPERINTENDENT OF THE STREET WATERING DIVISION.

904-905 TREMONT BUILDING,
BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets :

DEAR SIR,—I respectfully submit the annual report of the Street Watering Division of the Street Department for the financial year ending January 31, 1901.

Public streets have been watered during the past year under authority given in the Legislative Acts of 1897, chapter 419.

The work of the year has but one precedent for comparison, 1899, the only other year in which all public streets were watered under the assessment law by districts. The assessments, as made in 1899, were found to be inequitable in the division of the districts, and in the rates charged. Changes were made accordingly in district lines, and the rate of assessment was increased in the City Proper, Back Bay, and South End, and decreased in all other sections of the City. The results have shown that the assessment by the districts of the past year is as nearly equitable as it seems possible to make such a system of taxation.

The special tax for street watering is justly unpopular, because of the inherent difficulty in the just apportionment of such a tax. Admittedly street watering is a necessary public service for the health and comfort of the people. It is also good municipal economy, in that it preserves the roadbeds of the streets. The expense should be paid, however, from the general tax levy, and the fact that the Board of Aldermen has adopted the recommendation of the Mayor and ordered the watering of the streets at the public expense shows general agreement in this view of the question, and makes further reference to the subject of assessment for this service unnecessary.

The season of 1900 opened early, and was very dry until the middle of September. Carts were employed in the Back Bay on March 9, and in all parts of the city April 1. The regular season did not close until November 15, and some

carts were worked in the Back Bay and South End until December 9. Cold weather prevented regular service after that date, but occasional watering was done until January 9, 1901.

The total miles of streets watered was 450, and the number of carts employed in the work was 234. This was an increase of $36\frac{1}{2}$ miles in streets, and an increase of three in the number of carts over last year. The hours of labor were reduced from nine to eight, as compared with the working day of 1899.

The work was supervised by 23 tallymen, who received their instructions from the Deputy Superintendent each morning before working the carts; their earnest and efficient work was appreciated, and it would seem to warrant the claim that the bicycle-tallyman service is the best method yet adopted for the supervision of street watering.

There are in use about 500 standpipes, located at convenient distances, and maintained by this Division. From them water is taken also by the Paving Division, the Street Cleaning Division, and the Park Department. The estimated amount of water used for street watering during the past year was 483,337,300 gallons. The standpipes were kept in excellent condition. In addition to painting them, the cart stand at 130 of them was paved this year, and in the City Proper, most of the posts were fitted with a swivel joint, so that the arm may be swung parallel to the curb when not in use. Many arms have been broken by high loaded teams, and this improvement was designed to prevent such occurrences. It has been the endeavor to make the standpipes as unobjectionable as possible to abutters, by keeping them in good condition.

Very few complaints were received during the season, which leads to the belief that the work was generally satisfactory, and that the Division is in efficient working order.

Respectfully yours,

FREDERICK HAMMOND,
Deputy Superintendent.

FINANCIAL STATEMENT.

Appropriation (authorized to expend in anticipation of, and to be met by, assessments)	\$175,000 00
Expenditures	174,742 45
Balance	<u>\$257 55</u>

OBJECTS OF EXPENDITURES.

Salaries and labor	\$14,734 31
Teaming	142,222 25
Water-posts, repairs, etc.	4,088 97
Paving Division	3,500 00
Board of horses	664 24
Shoeing	93 00
Veterinary services and medicine	39 39
Harness and supplies	90 96
Telephones	180 53
Bicycles, repairs, etc.	799 26
Printing	629 49
Stationery	141 58
Carts, repairs, etc.	754 43
Horse hire	39 00
Assessments, expense of levying	6,424 99
General supplies	340 05
Total	<u>\$174,742 45</u>

Objects of Expenditures, Classified by Districts, from February 1, 1900, to January 31, 1901.

ASSESSMENT DISTRICTS.	Teaming.	Labor.	Maintenance.	Totals.
District One.....	\$42,534 50	\$2,949 58	\$6,341 31	\$51,825 39
District Two.....	76,145 01	5,056 44	12,487 49	93,688 94
District Three.....	23,542 74	1,685 48	3,999 90	29,228 12
Totals	\$142,222 25	\$9,691 50	\$22,828 70	\$174,742 45

ASSESSMENT DIVISIONS.

The Street Watering Districts of 1899 were altered and the rate of assessment changed on lines suggested by experience as follows :

STREET WATERING DISTRICTS.

		Rate of Assessment per Linear Foot of Frontage.
District One	{ Back Bay, South End, City proper, }	 8 cents
District Two	{ South Boston, East Boston, Charlestown, Brighton, West Roxbury, portions of, Dorchester, " " Roxbury, }	 4 cents
District Three	{ West Roxbury, portions of, Dorchester, " " }	 3 cents

ESTIMATED INCOME BY DISTRICTS.

	Amount.
District One	\$62,482 16
District Two	98,723 76
District Three	27,761 49
Total	<u>\$188,967 41</u>

ASSESSMENTS.

Deposits, abatements, and collections for the year ending January 31, 1901:

Deposited with City Collector,	{	1900	\$189,163 94	
		1899	31 76	
		1898	9 87	
			<u> </u>	\$189,205 57
Abatements to Jan. 31, 1901,	{	1900	\$2,695 00	
		1899	1,589 73	
		1898	367 30	
			<u> </u>	\$4,652 03
Collections to Jan. 31, 1901,	{	1900	\$148,176 31	
		1899	40,911 74	
		1898	2,259 89	
			<u> </u>	\$191,347 94
Uncollected January 31, 1901,	{	1900	\$38,292 63	
		1899	900 30	
		1898	198 36	
			<u> </u>	\$39,391 29

MILES OF STREETS WATERED.

The distance in miles of streets watered during the past year is as follows:

	Miles.
Frontages as assessed	395.50
Watered by special contract	3.50
Intersections of streets (no income)	20.00
Public property (no income)	20.50
Cemeteries (no income)	4.50
Bridges (no income)	2.50
Railroad locations (no income)	3.50
Total	<u>450.</u>

This is an increase in mileage since 1899 of $36\frac{1}{2}$ miles.

Distribution of Carts showing Entire Amount of Work Done.

DISTRICT.		Hired Carts.	Total Carts.	Number Miles Covered.	Average per Cart.
One.....	{ Back Bay.....	20	65	89.15	1.37
	{ South End.....	17			
	{ City Proper	28			
Two.....	{ South Boston.....	20	128	262.00	2.05
	{ East Boston	13			
	{ Charlestown.....	11			
	{ Brighton.....	20			
	{ West Roxbury.....	5			
	{ Dorchester	22			
	{ Roxbury.....	37			
Three....	{ West Roxbury.....	26	41	98.85	2.41
	{ Dorchester.....	15			
Totals.....			234	450.00	1.94

Location of Water Posts by Districts.

DISTRICT.	YEAR.					Electric Hydrants.
	1891.	1897.	1898.	1899.	1900.	
South Boston.....	23	28	35	38	39	
East Boston.....	16	34	41	42	42	
Charlestown.....	19	20	20	21	22	
Brighton.....	25	44	47	50	48	
West Roxbury.....	50	67	75	86	81	
Dorchester	61	83	88	99	100	
Roxbury	53	68	76	80	73	
City Proper.....	24	53	69	74	68	5
Totals	271	397	451	490	473	5

NOTE. — Seventeen standpipes were transferred to the Park Department when it assumed care of such public ways as Commonwealth avenue. They were carried in the above table until this year. A census of the posts was taken during the year, and several errors in the list, as reported formerly, have been corrected. The tabulation for 1900 is accurate. During the past year 8 posts were relocated, 3 posts abandoned, and 17 new posts erected.

The Division is indebted to Mr. J. W. Smith, Local Forecast official, for daily weather reports.

APPENDIX H.

REPORT OF THE COMMISSIONERS FOR THE BOSTON AND CAMBRIDGE BRIDGES.

CANAL OR CRAIGIE'S BRIDGE.

New timbers were placed the whole length of the outer side of the draw, and a new sidewalk of two-inch plank laid on both sides of the draw for the entire length. Hard pine timbers were placed on draw pier, and the surface was covered with two-inch plank.

The end of the draw on the Boston side was in bad condition, and iron plates were placed under the bearing of the wheels and new timber put in where necessary. The draw and its timber support will have to be rebuilt in a few years. It requires a close inspection at all times to keep it in place and to avoid accidents. The travel over this bridge by teams is increasing, some carrying very heavy loads; there are about ten thousand a day. The draw being so very narrow, cars and teams cannot pass over it together, and at times a blockade is thus created, especially after the draw is opened.

The timber and flooring on the pier at the rear of the drawtender's house is so much decayed that it will have to be replaced next summer.

Next year part of the roadway at each end of the bridge will have to be repaired, and the draw and fences will need painting. The drawtender and assistants keep the draw and draw pier free from ice and snow, sweep the sidewalks and make all ordinary repairs on machinery, etc.

HARVARD BRIDGE.

In April and May of this year the roadway for the entire length of the bridge and draw was newly sheathed with two-inch spruce plank, planed on one side to an even thickness. While doing this work the Boston Elevated Railway Com-

pany laid new rails, of a better kind than the old ones, the whole length of the bridge, and sheathed between the tracks and in the tracks. The work was done at night so as not to interrupt travel; there was very little blockade and no accidents. The work of the company was very satisfactory and was quickly done.

The four-inch planking of the deck under the sheathing on the roadway of the bridge was decayed in many places, and had to be renewed with new four-inch plank. This will have to be done yearly to keep it safe. Cost of sheathing the roadway was \$3,187, Boston paying one-half. While doing the work the best of the old plank we saved, and stored on the pier to be used this winter for patching.

Teams carrying heavy loads passing over the draw broke some of the timbers in the roadway; these were replaced with new ones.

A gale of wind that passed over the bridge, July 18, raised the asphalt sidewalk on the up-stream side of the bridge almost the whole length. It looked as if it would have to be taken up and a new sidewalk put in its place, which would cost over three thousand dollars; it was afterwards decided to replace it, and fill the cracks and joints with cement. This was done by the drawtenders employed on the bridge. With care, it will last some years, or till such time as the flooring under it will have to be renewed.

The sidewalks on the draw, and some of the timbers to support the same, were so much decayed that it was necessary to replace them with new material. New sidewalks were laid with hard pine plank, two inches thick, planed one side. Parts of the capping on the piers connected with the draw were renewed with hard pine timber.

All the ironwork from the Boston end of the bridge to the draw has been scraped and thoroughly painted. It is now in good condition, and will last some years. The zinc cap and woodwork, outside of the fence the entire length of the bridge, has been painted.

The traffic is increasing so fast, and so much heavy teaming passes over the bridge, that it is necessary to clean it twice a week now instead of once. This bridge is of unusual benefit to the cities of Boston and Cambridge, as it is in a beautiful location, and is much used in summer as a promenade.

The drawtender and assistants do all ordinary repairs, look after the machinery to run the draw, clean the globes on the electric lights, clean the sidewalks and piers from snow and ice, and make all necessary repairs.

PRISON POINT BRIDGE.

A house, 12 by 14 feet, one story high, fitted up with bunks, etc., was built for the drawtenders to occupy. Four-inch plank were put on bridge and draw and it was sheathed over all with 2-inch plank; painted house inside and outside by labor of the drawtenders.

This bridge and draw is in such poor condition that it is a constant care to keep it safe for travel. There are a great many vehicles passing over it. It was feared at one time that it would have to be closed up; to do so would be a great hardship to the teamsters, as they would have to go a mile or two out of their way to get to Charlestown. The Boston & Maine Railroad Company was notified last summer that the Cities of Boston and Cambridge would not be responsible for any accident that might occur because of its condition. The Boston & Maine Railroad Company is expected to commence work this summer on the overhead street and bridge, running from Bridge street, Cambridge, to Charlestown, to abolish the grade crossings. Before commencing work on the street the company will build a temporary bridge and draw further up stream.

The drawtenders keep the bridge free from snow and ice in winter, at other times they sweep the bridge weekly and make all ordinary repairs.

TEMPORARY WEST BOSTON BRIDGE.

The sheathing on this bridge was in such bad condition that it was necessary to replank the surface the entire length with 2-inch spruce plank. This will have to be done at least once each year, because of the narrowness of the bridge and the heavy teaming passing over it. The traffic over this bridge is increasing. The machinery for moving the draw is a great improvement over the power that was used to move the draw on the old West Boston bridge.

The drawtender and assistants take care of the draw machinery and keep it in good condition. They also remove snow and ice from the sidewalk and draw piers, and make all the necessary repairs.

CAMBRIDGE STREET BRIDGE.

New deck planks were put in and the bridge and draw on Boston side sheathed; new caps were put on piers, piles spliced near draw, and the fender guard repaired with hard

pine timber, and hard pine floors were laid in drawtender's houses. The houses were painted inside and outside by the drawtenders. They also sweep the bridge once a week, and keep the bridge and piers free from snow and ice in winter, and keep the machinery in good running order, and make all ordinary repairs.

ESSEX STREET BRIDGE.

The roadway was sheathed on both sides where necessary with 2-inch plank; on the draw pier new caps were placed and the pier was covered with 2-inch plank.

The drawtenders sweep the bridge once a week, and make all ordinary repairs.

NORTH HARVARD STREET BRIDGE.

A small building, 6 by 6 feet to hold coal, was built, and the drawtender's house was sheathed inside and shingled; new windows and doors were put in and a new floor laid; the roof and inside and outside of house was painted; the bridge and draw sheathed; all the fence on bridge and draw painted; and the bridge cleaned once a week. This work was done by the drawtenders on the bridge, who also made other repairs, without additional expense to the two cities.

WESTERN AVENUE BRIDGE.

New deck plank were put on the bridge and draw where necessary, and the whole sheathed with two-inch plank. The draw piers were repaired, and new ringbolts were secured to the pier for vessels to fasten to. This bridge is cleaned once a week, and all ordinary repairs are made by the drawtenders. The drawtenders employed to take care of this bridge also have the care of Cambridge-street bridge.

IN GENERAL.

The usual statement is appended showing the number of draw openings and the number of vessels which passed through.

The amount of revenue received for rents, dockage, etc., during the year, has been \$784.70; one-half of which has been paid to each city.

Number employees January 31, 1901 — 22.

The following is a statement of the payments made by the City of Boston on account of the Boston and Cambridge bridges from February 1, 1900, to January 31, 1901.

Amount of appropriation for financial year			
1900-1901	.	.	\$18,500 00
Expended to January 31, 1901	.	.	17,353 27
Unexpended balance February 1, 1901			<u>\$1,146 73</u>

Revenue, February 1, 1900, to January 31, 1901.

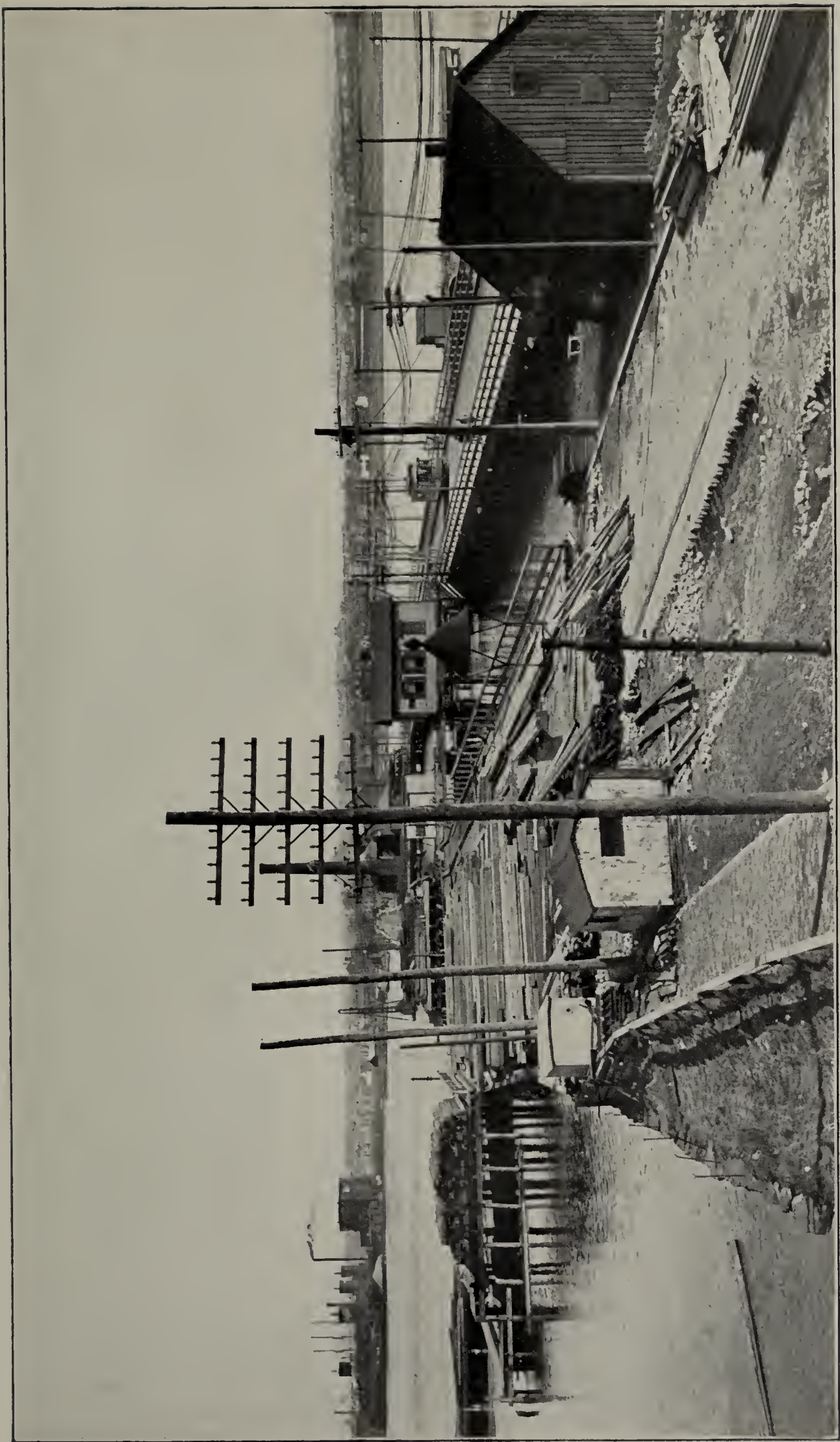
Date.	L. B. 4 & 5 Pages.	Received from	Total.	One-half Boston to City Collector.	One-half Cambridge to Wm. J. Marvin, Commissioner.
1900.					
February 16...	4-432	Boston Elevated Railway Co..	\$373 70	\$186 85	\$186 85
August 17.....	5-7	Wharfage, etc.....	361 00	180 50	180 50
December 11..	5-41	Rents	50 00	25 00	25 00
		Totals.....	\$784 70	\$392 35	\$392 35

Classification of Expenses.

	Canal or Craigie's.	Harvard.	Prison Point.	West Boston.	Cambridge Street.	Essex Street.	North Harvard Street.	Western Avenue.	General Account.	Totals.
Salaries	\$1,922 52	\$1,419 84	\$802 60	\$1,719 79	\$547 23	\$670 00	\$555 58	\$547 23	\$250 00	\$8,434 79
Electric light.....	308 63	630 00	.....	601 78	50 00	226 83	.....	50 00	.....	1,867 24
Replanking roadways.....	.....	1,593 50	.....	.....	.....	.....	.....	.....	.....	1,593 50
Lumber.....	344 07	312 38	163 29	26 09	160 31	143 16	106 86	48 15	.....	1,304 31
General repairs.....	271 53	214 99	177 82	25 74	91 37	64 62	6 55	41 24	.....	893 86
Paint and painting.....	8 25	656 95	1 90	.....	4 50	.....	4 82	.....	.....	676 42
Inspection, 1900.....	115 00	170 00	80 00	.....	52 50	40 00	30 00	37 50	.....	525 00
Gas light .....	.....	480 00	.....	.....	.....	.....	.....	.....	.....	480 00
Cleaning bridges.....	148 75	111 00	.....	176 75	.....	.....	.....	.....	.....	436 50
Iron work.....	82 22	86 58	80 49	.....	12 09	7 58	7 81	19 02	.....	295 79
Fuel	135 70	20 40	23 80	40 71	6 28	23 08	4 94	.....	.....	254 91
Electric current.....	.....	150 00	.....	.....	.....	.....	.....	.....	.....	150 00
Sundries.....	31 46	46 57	12 84	17 64	5 59	10 75	15 10	.....	.....	139 95
Tools and hardware.....	48 76	12 67	11 40	3 51	23 21	55	29 16	.....	.....	129 26
Watering roadways.....	31 00	.....	.....	.....	.....	.....	.....	.....	.....	31 00
Paving	16 04	.....	.....	.....	.....	.....	.....	.....	.....	16 04
Electric fixtures and repairs.....	.....	14 84	.....	.....	.....	.....	.....	.....	.....	14 84
Travelling expenses.....	.....	.....	.....	.....	.....	.....	.....	.....	50 00	50 00
Printing and stationery.....	.....	.....	.....	.....	.....	.....	.....	.....	40 25	40 25
Telephone service.....	.....	.....	.....	.....	.....	.....	.....	.....	19 61	19 61
Totals.....	\$3,463 93	\$5,919 72	\$1,354 14	\$2,612 01	\$953 08	\$1,186 57	\$760 82	\$743 14	\$359 86	\$17,353 27

Number of Times the Draws in the Boston and Cambridge Bridges have been Opened, and the Number of Vessels which have Passed through for the Year Beginning February 1, 1900, and ending January 31, 1901.

DATE.	CANAL OR CRAIGIE'S.		HARVARD.		PRISON. POINT.		WEST BOSTON.		CAMBRIDGE STREET.		ESSEX STREET.		NORTH HARVARD STREET.		WESTERN AVENUE TO CAMBRIDGE.	
	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.	No. of draw open- ings.	No. of vessels pass- ing through.
1900																
February	95	121	9	10	28	46	8	10	8	10	8	10	6	7	6	7
March	251	293	69	85	62	80	48	86	24	45	26	45	12	21	18	30
April	189	272	79	95	45	75	61	104	41	70	39	70	27	50	36	61
May	241	360	138	126	60	90	79	128	74	133	68	124	38	64	58	111
June	286	461	147	156	49	83	86	162	61	98	81	218	14	23	48	78
July	254	387	151	159	35	53	99	218	55	82	93	346	28	43	38	57
August	323	523	150	199	72	117	102	165	74	114	86	176	30	48	64	100
September	376	587	128	134	59	93	91	140	62	96	58	96	22	33	48	73
October	287	429	101	109	81	139	78	116	38	50	42	65	13	19	20	29
November	269	440	60	67	32	46	51	78	27	39	28	44	17	20	19	27
December	229	447	75	95	52	86	60	101	52	81	51	82	13	29	32	54
January, 1901	220	434	30	39	61	99	28	45	10	15	10	15	4	6	10	15
Totals	3,020	4,754	1,137	1,274	636	1,007	791	1,353	526	833	590	1,291	229	363	397	641



MALDEN BRIDGE, SHOWING TEMPORARY BRIDGE ON THE RIGHT.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

APPENDIX I.

CITY OF BOSTON, ENGINEERING DEPARTMENT,
50 CITY HALL, February 1, 1901.

Mr. B. T. WHEELER,

Superintendent of Streets:

SIR, — I herewith submit the following report of the work done for the Street Department during the year ending January 31, 1901.

The total quantities of work done and measured are as follows:

Edgestones set, 23,562 linear feet; gutter paving laid, 7,837 square yards; brick sidewalks laid, 735 square yards; crushed stone sidewalks constructed, 7,776 square yards; artificial stone sidewalks laid, 47,698 square feet; coal tar concrete sidewalks laid, 1,733 square yards; flagging crosswalks laid, 818 square yards; macadam surface (6 inches thick), 28,072 square yards; Telford (8 inches thick), 1,989 square yards; macadam (4 inches thick), 1,989 square yards.

In addition to the above, measurements were made of work as follows:

Square yards coal tar concrete walk, 489; square yards of artificial stone walk, 16,541; linear feet of edgestone set and reset, 264,982; square yards block-stone paving and crossings laid and relaid, 161,428; square yards round-stone paving relaid, 61,356; square yards brick paving laid and relaid, 147,863; square yards asphalt blocks laid, 2,377.

The following statement gives the details of work done:

ASSESSMENT STREETS.

The following streets were constructed under Chapter 323 of the Acts of 1891, and acts in amendment thereof or in addition thereto:

Aberdeen street, Beacon street to Brookline branch of Boston & Albany Railroad, is about 385 feet long. The contract for constructing the surface of this street and for building retaining wall, board fence and bulkhead was awarded to J. O'Brien & Son. Work under this contract was begun February 8, 1900, and completed August 21, 1900. Crushed stone, straight edgestones, and gutter blocks were furnished by the City and hauled to the

site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. A contract for laying the artificial stone sidewalks was awarded to Taylor, Carr & Andrews. Work under this contract was begun July 9, 1900; and completed August 21, 1900.

Alexander street, from Alexander street, southerly, about 611 feet. The contract for constructing the surface of this street was awarded to James McGovern. Work under this contract was begun October 25, 1899, and substantially completed November 25, 1899 (a small amount of work required to finish roadway and sidewalks was done during season of 1900). It is a 6-inch macadam road, with brick and crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City, and hauled to the site of the work by the contractor; circular edgestones and bricks were furnished on the work by the City, and flagging for crosswalks by the contractor.

Annabel street, Columbia road to Sumner street, is about 429 feet long. The contract for constructing the surface of this street was awarded to James McGovern. Work under this contract was begun November 14, 1899, and completed May 8, 1900. It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City, and hauled to the site of the work by the contractor; and circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Ashley street, Breed street to Walley street, is about 641 feet long. A contract for filling this street to sub-grade was made with H. & D. Burnett on November 20, 1899, at the rate of 44 cents per cubic yard, measured in place. Work under this contract was begun December 4, 1899, and completed March 24, 1900. Total amount of filling deposited was 7,825 cubic yards.

Bennington street, Chelsea street to Belle Isle Inlet, is about 10,621 feet long. A contract for depositing about 82,000 cubic yards of filling in this street was awarded to Jones & Meehan, November 20, 1899 at the rate of 53 cents per cubic yard, measured in place. Work under this contract was begun January 16, 1900, and is still in progress; 100,400 cubic yards of filling were deposited before February 1, 1901.

Plans and specifications have been prepared for extending the abutments of the bridge (formerly Leyden street bridge) over the Boston, Revere Beach & Lynn Railroad so as to widen the existing bridge. Plans have also been made for a wooden bulkhead on the northerly line of the railroad for supporting the filling of the street.

Blandford street, Commonwealth avenue to the Boston & Albany Railroad, is about 399 feet long. A contract for depositing about 15,000 cubic yards of filling in this street was awarded to the Boston & Albany Railroad Company, December 27, 1899, at the rate of 45 cents per cubic yard, measured in the bank. Work under this contract was begun January 3, 1900,

and completed May 9, 1900. Total amount of filling deposited was 10,400 cubic yards.

Chiswick road, Chestnut Hill avenue to Englewood avenue, is about 2,046 feet long. The contract for constructing the surface of this street was awarded to Collins & Ham. Work under this contract was begun September 10, 1899, and substantially completed December 28, 1899 (a slight amount of surfacing being required to finish roadway and sidewalks during season of 1900). It is a 6-inch macadam road with crushed stone sidewalks, without edgestones and with "hip" gutters. Crushed stone and gutter blocks were furnished by the City, and hauled to the site of the work by the contractor, and flagging for crosswalks was furnished by the contractor.

Columbia road. During the year, under the contract with Simon J. Donovan, dated October 25, 1898, for grading that portion of Columbia road between Atlantic and I streets, there have been deposited 110,078 cubic yard of filling. The work is not yet completed.

Congreve street, South street to Centre street, is about 1,409 feet long. The contract for constructing the surface of this street was awarded to William Finneran. Work under this contract was begun November 4, 1899, and completed July 7, 1900. It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City, and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Cummington street, Blandford street to Avon street, is about 1,186 feet long. A contract for depositing about 54,000 cubic yards of filling in this street was awarded to the Boston & Albany Railroad Company, December 27, 1899, at a rate of 45 cents per cubic yard, measured in the bank. Work under this contract was begun January 3, 1900, and completed May 9, 1900. Total amount of filling deposited was 43,292 cubic yards.

Custer street, Woodman street to Arnold Arboretum is about 509 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty. Work under this contract was begun May 14, 1900, and completed June 6, 1900. It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City, and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Dresden street, Boylston street to Spring Park avenue, is about 393 feet long. The contract for constructing the surface of this street was awarded to Thomas Minton. Work under this contract was begun April 11, 1900, and completed May 18, 1900. It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the

contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Edison Green, Dorchester avenue to Pond street, is about 1,344 feet long. The contract for constructing the surface of this street was awarded to James McGovern. Work under this contract was begun April 16, 1900, and completed July 9, 1900 (including setting about 420 linear feet of park curb and grading and seeding a centre planting space about 10,241 square feet in area). It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones and park curb were furnished on the work by the City, and flagging for crosswalks by the contractor.

Edwin street, Dorchester avenue to Florida street (see report of Superintendent of Streets for 1899, page 272). A contract for laying the artificial stone sidewalks was awarded to Patrick Lyons. Work under this contract was begun October 30, 1899, and completed June 9, 1900.

Esmond street, Blue Hill avenue to Harvard street, is about 1,518 feet long. The contract for constructing the surface of this street was awarded to T. F. Bradley. Work was begun May 8, 1900, and completed August 30, 1900. It is a 6-inch macadam road with artificial stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. A contract for laying the artificial stone sidewalks was awarded to Warren Bros. Company. Work under this contract was begun July 5, 1900, and completed August 25, 1900.

Florida street, King street to Templeton street, is about 1,133 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty. Work under this contract was begun October 30, 1899, and completed August 30, 1900 (including grading and seeding a centre planting space about 14,619 square feet in area and loaming and sodding a sidewalk planting space about 5,442 square feet in area). This street is 50 feet wide, and was built in the following manner: Two sidewalks each 8 feet wide, 4.5 feet of the 8 feet being either coal tar concrete or artificial stone, the rest of the sidewalk being grass, bounded by granite edgestones; two 6-inch macadam roadways, each 9.5 feet wide without block gutters, and a centre planting space with trees, 15 feet wide. Crushed stone and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. A contract for resurfacing old and laying new tar concrete walks on that portion of the street between King and Lonsdale streets was awarded to Taylor, Carr & Andrews. Work under this contract was begun June 20, 1900, and completed June 26, 1900. A contract for laying artificial stone sidewalks on

that portion of the street between Lonsdale and Templeton streets was awarded to Warren Bros. Company. Work under this contract was begun June 27, 1900, and completed July 9, 1900. Fourteen maple trees were planted in the centre planting space in addition to those already there.

Hubbard street, Chestnut avenue to Lamartine street, is about 449 feet long. The contract for constructing the surface of this street was awarded to Thomas Minton. Work under this contract was begun November 20, 1899, and substantially completed December 27, 1899 (a small amount of work being required to finish the surface of the roadway and sidewalks during the season of 1900). It is a 6-inch macadam road with crushed stone sidewalks; crushed stone, edgestones and gutter blocks were furnished by the City and hauled to the site of the work by the contractor, and flagging for crosswalks was furnished by the contractor.

Ipswich street, Boylston road to Boylston street, is about 2,366 feet long. The contract for constructing the surface of this street was awarded to Collins & Ham. Work was begun under this contract August 16, 1899, and substantially completed December 8, 1899 (a small amount of work being required in surfacing roadway and sidewalks during season of 1900). It is a 6-inch macadam road with crushed stone sidewalks; crushed stone, straight edgestones and gutter blocks were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. Another contract was made with Collins & Ham for building fence on northerly side of street along location of the Boston & Albany Railroad.

The Parkway bridge was unfinished, but temporary wooden fences and floor had been constructed so that it was open to travel. The ornamental iron fences have been completed, and the roadway has been paved with asphalt and the sidewalks with artificial stone. The fences should be painted to correspond in color with the fences on the adjoining bridge over the railroad.

Lauriat avenue, Ballou avenue to Norfolk street, is about 769 feet long. The contract for constructing the surface of this street was awarded to Timothy F. Bradley. Work under this contract was begun August 22, 1899, and completed August 21, 1900. It is a Telford (8 inches) macadam (4 inches) road. Telford stone, crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. Under this contract the sidewalks were omitted, but artificial stone sidewalks have since been constructed under the supervision of the Street Department.

Newburg street, Beech street to Belgrade avenue, is about 1,980 feet long. The contract for constructing the surface of this street was awarded to James Doherty & Co. Work under this contract was begun November 14, 1899, and completed May 22,

1900. It is a 6-inch macadam road with crushed stone sidewalks. Crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Oakview terrace, from Centre street about 861 feet southeasterly. The contract for constructing the surface of this street was awarded to Collins & Ham. Work under this contract was begun November 9, 1899, and completed July 13, 1900, not including artificial stone sidewalks. It is a 6-inch macadam road with artificial stone sidewalks and sidewalk planting spaces 2 feet wide on a portion of the street, together with an oval planting space near the upper end about 5,200 square feet in area. Crushed stone, straight edgestone and gutter blocks were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. A contract for laying the artificial stone sidewalks was awarded to Patrick Lyons. Work under this contract was begun May 21, 1900, and completed June 30, 1900.

Orkney road, Strathmore road to Sutherland road, is about 841 feet long. The contract for constructing the surface of this street was awarded to Daniel E. Lynch. Work under this contract was begun May 2, 1899, and substantially completed September 12, 1899 (a small amount of work being done in surfacing the roadway and sidewalks during season of 1900). It is a 6-inch macadam road with crushed stone sidewalks; crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor.

Rowe street, Ashland street to Seymour street, is about 475 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty. Work under this contract was begun December 7, 1899, and suspended December 23, 1899. This contract was cancelled by letter of Superintendent of Streets, dated May 26, 1900.

Rozella street, Adams street to Muzzy street, is about 322 feet long. The contract for constructing the surface of this street and for rebuilding a retaining wall at the Mary Hemenway School was awarded to Timothy F. Bradley. Work under this contract was begun November 27, 1899, and completed June 14, 1900. It is a 6-inch macadam road with crushed stone sidewalks; crushed stone, gutter blocks and straight edgestones were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were delivered on the work by the City, and flagging for crosswalks by the contractor.

Seymour street, Canterbury street to Brown avenue, is about 1,150 feet long. The contract for constructing the surface of this street was awarded to T. F. Welch. Work under this contract was begun December 5, 1899, and suspended December 21, 1899.

This contract was cancelled by letter of Superintendent of Streets, dated May 26, 1900.

Shafter street, Waterlow street to Faxon street, is about 744 feet long. The contract for constructing the surface of this street was awarded to Philip Doherty. Work under this contract was begun April 4, 1900, and completed May 23, 1900. It is a 6-inch macadam road with brick sidewalks; crushed stone, straight edge-stones and gutter blocks were furnished by the City and hauled to the site of the work by the contractor; circular edgestones and bricks for sidewalks were furnished on the work by the City, and flagging for crosswalks by the contractor.

Warner street, Harvard street to Park street, is about 830 feet long. The contract for constructing the surface of this street was awarded to Timothy F. Bradley. Work under this contract was begun April 12, 1900, and completed July 17, 1900, not including the artificial stone sidewalks and sidewalk planting spaces. It is a 6-inch macadam road with artificial stone sidewalks; crushed stone, straight edgestones and gutter blocks were furnished by the City and hauled to the site of the work by the contractor; circular edgestones were furnished on the work by the City, and flagging for crosswalks by the contractor. A contract for laying artificial stone sidewalks was awarded to Warren Bros. Company. Work under this contract was begun June 14, 1900, and was completed July 3, 1900. The sidewalk planting spaces were finished by Timothy F. Bradley July 17, 1900.

DOVER STREET BRIDGE.

Plans and specifications were made for repairing the piers and removing part of the old draw foundation, and recovering the remaining part. A contract was made with William J. Lawler, November 30, for doing the work, which is now nearly completed.

EAST BOSTON FERRIES.

Repairs of Piers. — Specifications were made early in the year for the renewal of a few piles in the pier heads at the East Boston landing of the North Ferry. The work was done by W. H. Ellis & Co.

Specifications were made in March for repairing the north pier of the North Ferry, East Boston side. The work was done by Ross & Fowler at a cost of \$826.60.

Specifications were made in April for repairing the middle pier of the South Ferry, Boston side. The work was done by George Hayes & Co. at a cost of \$643.

Specifications were made in December for rebuilding 29 feet of the northerly pier of the North Ferry, Boston land-

ing, and making other small repairs on the same piers. The work was done by Wm. J. Lawler at a cost of \$472.89.

MOUNT WASHINGTON AVENUE BRIDGE.

A plan and specifications were made for making general repairs on this bridge, but as the plan failed of approval by the Harbor and Land Commissioners no work has been done.

SOUTH UNION STATION.

Early in April, 1900, the work of repaving Atlantic avenue with granite blocks on a concrete base with pitch and pebble joints was resumed under the contract with H. Gore & Co., dated Nov. 6, 1899, and the entire work completed July 30, 1900.

The area paved included the portion of the street east of the street car tracks between Summer street and Kneeland street and a small area at the intersection of Beach street, where the work had been postponed on account of the delay in setting the special track-work at that point. Two small areas in Dewey square were also repaved with granite blocks, thus completing the entire pavement in the square on a concrete base with pitch and pebble joints.

Beach street, between Atlantic avenue and South street, was regraded, the edgestone set, sidewalk relaid with brick, and the street repaved with granite blocks on a gravel base.

WINTHROP BRIDGE.

Plans and specifications were made for renewing some of the piles of this bridge which had been badly eaten by the "limnoria," and for making general repairs. A contract was made November 30 with William L. Miller for doing the work, which is now under way.

ASSESSMENT STREETS.

Working plans, specifications, and forms of contract were prepared and forwarded to the Street Department for the following assessment streets:

Ashby street, Commonwealth avenue to Bay State road.

Ashley street, Breed street to Walley street.

Bay State road, Granby street to Chilmark street.

Cardington street, Cobden street across Fenner street.

Chilmark street, Commonwealth avenue to Bay State road.

Corinth street, Washington street to Brandon street.

Dunford street, Cobden street to Fenner street.

Echo street, Columbus avenue to Centre street.

Fowler street, Glenway street to McLellan street.
Homes avenue, Bowdoin street to Topliff street.
Montague street, Ashmont street to Roslin street.
Nottingham street, Bullard street to Bowdoin avenue.
Province court, Province street easterly.
Public alley, No. 432, between Commonwealth avenue and Newbury street, from Fairfield street to Gloucester street.
Rockford street, Dudley street to Clifton street.
Seaborn street, Centre street to Kenwood street.
Stratford street, Anawan avenue to Clement avenue.
Tremont street, Washington street to Newton line.
Trinity place, Stuart street to Stanhope street.
Van Winkle street, Dorchester avenue to Shawmut Branch Railroad.
Washington street, Morton street to Tower street.
Woodcliff street, Howard avenue easterly.
Wordsworth street, Saratoga street to Pope street.

PLANS AND SPECIFICATIONS FOR REPAVING STREETS.

Preliminary surveys were made and working plans, specifications, and forms of contract were prepared and forwarded to the Street Department for repaving the following streets:

Atlantic avenue, Oliver street across India square.
Atlantic avenue, India square across Clinton street.
Atlantic avenue, Clinton street to Eastern avenue.
Beacon street, Arlington street to Dartmouth street.
Boylston street, Arlington street to Berkeley street.
Commercial street, Eastern avenue across Hanover street.
Commercial street, Hanover street across Hull street.
Commercial street, Fleet street across Clinton street.
Devonshire street, State street across Water street.
Harrison avenue, Davis street to Asylum street.
Mason street, Tremont street easterly.
Meridian street, Trenton street to Eutaw street.
Neponset avenue, Adams street to Minot street.
Oliver street, Atlantic avenue to Milk street.
Summer street (southerly side), Washington street to Federal street.
Temple place, Washington street to Tremont street.
Tremont street, Scollay square to Boylston street.

PLANS FOR REPAVING STREETS.

Preliminary surveys were made and working plans were prepared and forwarded to the Street Department for repaving the following streets:

Blue Hill avenue, Intervale street to Dewey street.
Broadway extension, Washington street to Harrison avenue.

Dover street, Washington street to Tremont street.
Northampton street, Harrison avenue to Albany street.
Prince street, Salem street 210 feet toward Hanover street.
Tremont street, Dover street to Boston & Albany Railroad Bridge.

MISCELLANEOUS.

Preliminary surveys have been made and plans have been prepared of the following Assessment streets and Public alleys, preliminary to construction :

B street, West First street to Congress street.
Berkeley street, Boylston street to Columbus avenue.
Bird street, Columbia road to Hancock street.
Boardman street, Saratoga street to Boston & Maine Railroad.
Brookline avenue, Longwood entrance to the Riverway.
Carlow street, Albany street to Chadwick street.
Conrad street, Sumner street, 224 feet westerly.
Dixfield street, Old Harbor street to Covington street.
Gainsborough street, St. Stephen street to Hemenway street.
Gibson street, Dorchester avenue to Adams street.
Hancock street, Columbia road to Winter street.
Leonard street, Duncan street to Adams street.
Moseley street, Crescent avenue to Columbia road.
Normandy street, Lawrence avenue across Grove street.
Perkins street, Centre street to Jamaica way.
Public alley, No. 414, between Beacon and Marlborough streets, from Hereford street to Massachusetts avenue.
Public alley, No. 415, between Beacon and Marlborough streets, from Gloucester street to Hereford street.
Public alley, No. 416, between Beacon and Marlborough streets, from Fairfield street to Gloucester street.
Public alley, No. 417, between Beacon and Marlborough streets, from Exeter street to Fairfield street.
Public alley, No. 421, between Beacon and Marlborough streets, from Arlington street to Berkeley street.
Public alley, No. 430, between Commonwealth avenue and Newbury street, from Massachusetts avenue to Hereford street.
Railroad street, Corey street to Willow street.
Shepton street, Dorchester avenue to Florida street.
Spencer street, Athelwold street to Harvard street.
Templeton street, Dorchester avenue to Adams street.
Thane street, Athelwold street to Harvard street.
Westbourne street, Cornell street to Beech street.

GRADING STREET RAILWAY TRACKS.

The grades for tracks in the following streets have been determined and the necessary surveys made for determining

the same, except that the Boston Elevated Railway Company made the surveys for Adams and Webster streets.

Boston Elevated Railway Company.

Adams street, Neponset avenue to Minot street.
Atlantic avenue, Oliver street to Commercial street.
Beach street, Atlantic avenue to South street.
Blue Hill avenue, Intervale street to Dewey street.
Broadway extension, Harrison avenue to Washington street.
Brookline avenue, Longwood entrance to the Riverway.
Causeway street, Nashua street to Haverhill street.
Columbia road, at Stoughton street.
Commercial street, Atlantic avenue to Hull street.
Dover street, Tremont street to Washington street.
Green street, Bowdoin square to Chambers street.
Harrison avenue, Davis street to Asylum street.
Longwood avenue, Huntington avenue to Brookline avenue.
Massachusetts avenue, Swett street to Edward Everett square.
Neponset avenue, Adams street to Minot street.
Northampton street, Albany street to Harrison avenue.
Pleasant street, Tremont street to Shawmut avenue.
Swett street, Albany street to Massachusetts avenue.
Tremont street, Dover street to Boston & Albany Railroad Bridge.
Tremont street (Brighton), Washington street to Newton line.
Webster street, Orleans street to Sumner street.
Western avenue, at Market street.

West Roxbury and Roslindale Street Railway Company.

Washington street, Adams street to Neponset river.

Union Freight Railroad Company.

Atlantic avenue, Oliver street to Commercial street.
Commercial street, Atlantic avenue to Hull street.

Total length of single track grades 17.2 miles.

MISCELLANEOUS PLANS, SPECIFICATIONS, ETC.

The following plans have been prepared and the preliminary surveys necessary for the same have been made.

Alford street, Mystic river to Everett line, plan of cross-section for construction; plan of solid filling and riprap.

Bay State road, Granby street to Chilmark street, plan of cross-section for construction; plan, cross-section and specification for cap-stone for sea-wall; plan and specifications for arch and sea-wall opposite Ashby street.

Bennington street, Chelsea street to Revere line, cross-section of street as approved for construction.

Beacon street, Arlington street to Dartmouth street, cross-section.

Brookline avenue, Longwood entrance to the Riverway, cross-section of construction; plan of proposed change in line and grade near Longwood entrance.

Cambridge street, between Warren street and Washington street, plan and section of ground water drains.

Centre street, opposite New Heath street, plan and specifications for retaining wall.

Devonshire street, State street to Water street, plan of templet for concrete base.

Echo street, Columbus avenue to Centre street, cross-section for construction.

Edison Green, Dorchester avenue to Pond street, plan and specifications for park curb for planting space.

Florida street, King street to Lonsdale street, plan and specifications for tar concrete sidewalks.

Freeport street, At Dorchester Yacht Club property, plan, sections and specifications for extending retaining wall.

Harrison avenue, Davis street to Asylum street, plan of templet for concrete base.

Macadam street, 20 feet wide, cross-sections for construction.

Mason street, from Tremont street, plan of templet for concrete base.

Meridian street, Trenton street to Eutaw street, plan of templet for concrete base.

Moseley street, at Columbia road, proposed change of grade.

Newburg street, Beech street to beyond Cornell street, plan for ground water drains.

Pontiac street, Tremont street to Hillside street, plan and specifications for retaining walls and fences.

Stratford street, Anawan avenue to Clément avenue, plan and section of artificial stone sidewalks.

Tremont street, easterly side, from School street to Mason street, plan for widening sidewalk.

Trinity place, Stuart street to Stanhope street, plan and specification for wall and fences.

Van Winkle street, Dorchester avenue to Shawmut Branch Railroad, cross-section for construction.

Waldeck street, Park street to near Tonawanda street, plan for tar concrete sidewalks.

Respectfully submitted,

WILLIAM JACKSON,
City Engineer.

APPENDIX J.

REPORT OF THE CHIEF SMOKE INSPECTOR.

64 PEMBERTON SQUARE, BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets:

DEAR SIR, — I herewith submit a report of the work performed under chapter 389, Acts of 1895, section 116; chapter 175, Acts of 1897; and section 99, chapter 47, Revised Ordinances, 1898, relative to the smoke nuisance in this City.

The emission of dark or thick gray smoke for more than five minutes continuously, constituting what is technically called the smoke nuisance, causes great inconvenience to modern city dwellers. The causes of this nuisance are few and the remedies comparatively simple. The chief cause is ignorance, — either in the construction of the building or plant, or in the purchase of the proper coal for fuel, or, as is most frequently the case, on the part of stokers or firemen in charge of the plant. Very few persons wilfully or intentionally violate the law, and in the majority of cases it is only necessary to bring the matter properly before them to have the remedy applied. The chief value of this Department in the City of Boston is as an instructor, in pointing out defects existing in any plant and suggesting the proper method for relief. Nearly all the owners of large plants called upon during the past year have shown a decided willingness to assist in correcting all defects and in issuing instructions to their engineers in charge.

The following instructions for firing, prepared by this Department, have been largely distributed and proved of value.

INSTRUCTIONS FOR FIRING BOILERS WITH BITUMINOUS COAL.

1. All large coal should be broken up so that the largest pieces are no greater than a man's fist.
2. Begin to charge the furnace at the bridge end, and keep firing to within a few inches of the dead plate.

3. Never allow the fire to burn so low, before a fresh charge is thrown in, that there shall not be at least three to four inches depth of clean incandescent fuel on the bars, and equally spread over the whole grate.

4. Keep the bars constantly covered, particularly at the sides and bridge end where the fuel burns away most rapidly.

5. If the fire burns unequally, or in holes, the vacant spaces must be filled up.

6. Under ordinary conditions the thickness of fire will vary from four to eight inches for different amounts of draught and rate of combustion. The best thickness to carry must be determined for each case, bearing in mind, however, that a very thick fire is conducive to smoke production.

7. The greatest preventive of smoke is frequent firing of small quantities on alternate sides of the furnace.

8. With a battery of boilers, one boiler must be fired at a time on one side of the furnace only, then the next boiler in the same manner, and so on to the end; then beginning again with the first boiler, fire the other side of the furnace, and so on down through the battery.

9. If there is no other means of admitting air than through the grate and at the fire door, the register in the fire door should be left open after firing, and if the boilers are forced it should be left open all the time.

10. With a shallow ash-pit the ashes should be removed frequently to allow free inlet for air and to prevent burning the grates.

In addition to complaints of smoke from buildings, several have been received of violation of the law from portable boilers used by contractors in building construction. This was caused by the use of soft coal for fuel, and in all cases a change to hard coal brought immediate relief.

Several unusually large plants, either recently established or in process of construction, have been inspected, notably the Back Bay Station of the New York, New Haven & Hartford Railroad Company at Dartmouth street, and the Edison Electric Illuminating Company on Atlantic avenue, both of which are not only equipped with all modern appliances for furnishing power, but also for the relief of smoke nuisance.

It is perhaps well to state in this connection, that in large plants of this character complaint is often received of violation of the smoke law. This is not due to wilfulness or ignorance, but to an endeavor on the part of managers to obtain the best as well as the most economical methods of construction and operation. In no other way except by experiment can this be demonstrated. Many appliances are tried and found defective, and it is the change from one

method to another, either of construction or operation, which occasions the variation in the amount of smoke.

During the year, 285 short observations, of two or three hours, have been taken by the inspectors in the several districts. Twelve observations, of from five to eight hours, were taken in the business section of the City; four of these not as the result of complaints, but at the request of the owners of the property; two of whom, the R. H. White Company and the Oliver Ditson Company, have, as the result of the examinations, equipped their boilers with smoke consumers.

The Back Bay district has received special attention. All of the large hotels and the Massachusetts Institute of Technology, Boston Public Library and other buildings operating large steam plants have been thoroughly inspected. Many of them, notably the Public Library, were equipped with smoke-consuming devices. Where these were lacking they have either been supplied or are still subjects of investigation.

As the result of my observations throughout the city, I believe the laws governing and regulating the smoke nuisance should be made more stringent, and more nearly in accord with those in force in other cities, particularly by reducing the five-minute limit to two minutes.

NOVA SCOTIA COAL.

Importations of Coal from Nova Scotia at this Port during the Year ending January 31, 1901.

MONTH.	Tons.	Value.
February, 1900	59,896	\$70,895
March	45,702	45,702
April	48,041	48,041
May	31,732	31,732
June	41,516	44,435
July	35,995	45,009
August	44,254	55,421
September	45,029	56,287
October	50,382	62,979
November	56,059	71,717
December	49,298	61,432
January, 1901	45,125	56,743
Total	553,029	\$650,393

Nova Scotia coal recorded at the Collector's office (Custom House), ending January 31, 1901, shows 553,029 tons as against 240,543 tons for the year ending January 31, 1900.

BOILER APPLICATIONS.

During the past year 343 applications have been received from the Building Department for boiler permits, and were disposed of as follows :

Signed to use hard coal	265
New consumers adopted	29
Gas and oil engines	35
Applications withdrawn	2
Relocations	3
Duplicates	3
Unsigned	6
	343

SPECIAL REPORTS.

February 28. Report on boiler plant of the R. H. White Company, 518 Washington st.

March 20. Report on complaint against the Post Office building.

April 9. Report on complaint against plant of the Quaker building, Milton place and Federal court.

April 17. Report on complaint against the Westminster Chambers and the Massachusetts Institute of Technology.

June 10. Report on complaint against the Boston Globe Newspaper Company building.

July 3. Report on complaint against smoke from street hoisting engines, Massachusetts avenue.

July 17. Report on complaint against the Warren building, 2 Park square.

August 13. Report with observations on plant of estate 1260 Washington street, Merello's Bakery.

September 11. Report, with short observations, on complaint against estate 81 Devonshire street.

September 18. Report on complaint against plant of the Boston Elevated Railway Company, Freeport street, Dorchester.

October 17. Report on plant at the Back Bay Station, Dartmouth street, of the New York, New Haven and Hartford Railroad Company.

October 30. Report, with observations, on plant of the R. H. White Company, newly equipped with the Boston Smoke Consumer.

January 11, 1901. Report on complaint against the Winterplace Hotel plant.

January 18. Report, with observations, on plants of Hotel Brunswick, Massachusetts Institute of Technology, Public

Library, Westminster Chambers, Nottingham, Victoria and Copley Square hotels.

SUMMARY.

I submit a brief summary of work for the year ending January 31, 1901 :

Number of applications for boiler permits received . . .	343
Number of smoke consumers adopted	29
Number of objection notices sent out	97
Number agreeing to burn hard coal	265
Number of short observations taken	285
Number of observations from 5 to 8 hours	12
Number of special reports	15
Number of complaints received	9
Number of special requests for observations received . . .	4

Respectfully submitted,

SUMNER APPLETON,
Chief Inspector.

APPENDIX K.

REPORT OF THE CIVIL SERVICE CLERK.

BOSTON, February 1, 1901.

MR. B. T. WHEELER,

Superintendent of Streets:

DEAR SIR, — I submit herewith a report of the work performed in connection with the Civil Service Commission, together with a statement of the force employed and eligible for employment for the year ending January 31, 1901.

Two hundred and seventy-five applications were made upon the Commission for 2,012 men of various grades, and of this number 9 were for promotion and 7 for reinstatement.

Three thousand one hundred seventy-five names were submitted, from which 478 were selected and appointed, 50 of whom were veterans, and 38 were appointed provisionally under Civil Service Rule 36.

Of the 9 applications for promotions all were granted.

One hundred and six transfers were made from other City and State Departments, with the approval of the Civil Service Commission, as follows:

One was from the Bath Department, 54 from Park Department, 15 from the Department of Public Grounds, 12 from the Engineering Department, 10 from the Public Buildings Department, 9 from Water Department, 2 from Transit Commission, 2 from Metropolitan Park Commission, and 1 from the Pauper Institutions Department.

Notices of the discharge of 160 men were forwarded to the Civil Service Commission.

The records of the Department show that there are now 3,196 persons eligible for employment in the several divisions, and of that number 3,008 were upon the January, 1901, pay-rolls.

Grade and Number of Employees.

TITLE.	DIVISIONS.								
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridges.	Street Watering.	Total.
Superintendent	1	.....	.....	.....	.....	.....	.....	.....	1
Deputies		1	1	1	1	1	1	1	7
Secretary	1	.....	.....	.....	.....	.....	.....	.....	1
Purchasing Agent	1	.....	.....	.....	.....	.....	.....	.....	1
Purchasing Agent's assistant	1	.....	.....	.....	.....	.....	.....	.....	1
Clerks	1	14	7	4	2	2	2	1	33
Messengers		9	6	5	3	.....	3	1	27
Chief Engineer		1	1	.....	.....	.....	.....	.....	2
Civil Engineers		13	13	.....	.....	.....	.....	.....	26
Draughtsman		1	16	.....	.....	.....	.....	.....	17
Instrument-men			11	.....	.....	.....	.....	.....	11
Rodmen		12	44	.....	.....	.....	.....	.....	56
Abatement Agent								1	1
Aids or tallymen		17	8	4	1	.....	.....	2	32
Axeman			2	.....	.....	.....	.....	.....	2
Inspectors		32	32	24	1	.....	.....	.....	89
Foremen		10	11	7	10	3	1	.....	42
Sub-foremen		18	12	9	20	.....	2	.....	61
Chief Inspector		1	1	.....	.....	.....	.....	.....	2
Blacksmiths and assistants		19	4	14	.....	2	.....	.....	39
Boiler-makers						1	.....	.....	1
Bracers and assistants			24	.....	.....	.....	.....	.....	24
Boys		4	7	.....	.....	.....	.....	.....	11
Broom-makers					1	.....	.....	.....	1
Captains				1	.....	10	.....	.....	11
Carpenters and assistants		19	11	.....	.....	2	19	.....	51
Concrete-washer			1	.....	.....	.....	.....	.....	1
Concrete-mixer			8	.....	.....	.....	.....	.....	8
Cashier						1	.....	.....	1
Coal-passers			5	.....	.....	.....	.....	.....	5
Supervisors of draws and bridges, ...							1	.....	1
Coachmen		1	1	.....	.....	.....	.....	.....	2
<i>Carried forward</i>	5	172	226	69	39	22	29	6	568

Grade and Number of Employees. — Continued.

TITLE.	DIVISIONS.								
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridges.	Street Watering.	Total.
<i>Brought forward</i>	5	172	226	69	39	22	29	6	568
Drawtenders.....							20		20
Assistant drawtenders							44		44
Deck-hands						14			14
Dumpers				30	7				37
Chief Engineer (steam).....			1			1			2
Engineers and assistants.....		18	30			11	11		70
Electricians.....						3	1		4
Farmer.....		1							1
Feeders					2				2
Firemen.....			4			19			23
Gatemen.....			4			18			22
Harness-makers and assistants....		3		7	1				11
Horseshoers				6					6
Hostlers.....			2				3		5
Iron-workers.....			1			1			2
Janitors.....						7			7
Janitresses.....						5			5
Joiners.....						2			2
Laborers and helpers.....		522	471	199	211	1			1,404
Lamplighters						2			2
Ledgemen			76						76
Machinists and assistants			2			3			5
Masons (stone and brick)			40						40
Mason's tenders			2						2
Mate			1						1
Measurers		1	1						2
Oilers			9			7			16
Pavers and assistants		30							30
Painters.....		2	7	8		1	3		21
Pilots			1			10			11
Pipelayers			3						3
Powdermen.....		2							2
<i>Carried forward</i>	5	751	881	319	260	127	111	6	2,460

Grade and Number of Employees. — *Concluded.*

TITLE.	DIVISIONS.								Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Street Watering.	
<i>Brought forward</i>	5	751	881	319	260	127	111	6	2,460
Quarryman ...		1							1
Rigger		1							1
Rammer.....		1							1
Sailors.....			4						4
Steam-drillers.....		8							8
Stenographers	1	1	1	1					4
Stone-cutters		25	7						32
Storekeepers.....			2			1			3
Stablemen....		13		25	10				48
Teamsters		62	8	189	67		1		327
Tollmen.....						11			11
Tank-man.....						1			1
Watchmen.....		18	12	9	1	4	6		50
Weighers.....		6	1	1					8
Wharfingers and assistants.....		10	1	1	1	11			24
Wheelwrights and assistants.....				6					6
Wood-workers....			1						1
Yardmen....		3	1	10	2		1		17
Veterinary's assistant.....			1						1
Total....	6	900	920	561	341	155	119	6	3,008

Comparative Table showing the Number of Employees
February 1, 1900, and February 1, 1901.

DATE.	DIVISIONS.								Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Street Watering.	
February 1, 1900.....	6	975	1,036	540	369	178	122	9	3,235
February 1, 1901.....	6	900	920	561	341	155	119	6	3,008

Table showing Transfers made from various City and State Departments to the Several Divisions of the Street Department.

DIVISIONS.	DEPARTMENTS.									
	Bath.	Park.	Public Grounds.	Water.	Public Buildings.	Transit.	Engineering.	Metropolitan Park.	Pauper Institutions.	Total.
Paving	1	26	9	2	.....	.....	11	2	1	52
Sewer.....	.....	3	1	1	2	2	1	.....	.....	10
Sanitary .....	.....	20	4	3	1	.....	.....	.....	.....	28
Street Cleaning.....	.....	5	1	.....	.....	.....	.....	.....	.....	6
Ferry.....	.....	.....	.....	1	5	.....	.....	.....	.....	6
Bridge.....	.....	.....	.....	1	2	.....	.....	.....	.....	3
Central Office.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Total	1	54	15	9	10	2	12	2	1	106

Table showing the number of Applications for Various Grades of Men made upon the Civil Service Commission for the Year ending January 31, 1901.

DIVISIONS.	Applications.	Number applied for.	Number submitted by Civil Service Commission.	Number appointed.	Provisional appointments included in four previous columns.	Reinstatements included in four previous columns.	Veterans appointed included in four previous columns.
Paving.....	83	609	997	141	16	2	16
Sewer.....	55	398	674	84	8	4	7
Sanitary.....	64	564	736	95	4	.....	7
Street Cleaning.	19	146	230	47	7	1	4
Ferry.....	33	172	329	51	2	.....	5
Bridge.....	14	85	138	27	1	.....	8
Street watering,	5	36	70	29	.....	.....	3
Central Office...	2	2	1	4	.....	.....	.....
Total.....	275	2,012	3,175	478	38	7	50

The above table includes nine persons that were promoted ; also fifty veterans that were appointed, five as Inspectors, eight as Foremen, four as Sub-foremen, two as Gatemen, fifteen as Laborers, two as Steam Engineers, seven as Clerks, two as Messengers, four as Mechanics, and one as Tallyman.

Seven requisitions were made for reinstating seven discharged employees.

Respectfully submitted,

AMOS B. M. KINGSLEY.

Civil Service Clerk.

APPENDIX L.

FORMER SUPERINTENDENTS AND DOCUMENT
NUMBERS OF ANNUAL REPORTS.

Bridge Department before 1891.

Previous to 1886, under charge of City Engineer.

NAME.	Year.
Bartholomew M. Young	1886 to 1889
James H. Nugent	1889 to 1891

Bridge Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual report	1886	1887	29
“ “	1887	1888	26
“ “	1888	1889	29
“ “	1889	1890	22
“ “	1890	1891	*

* Published in annual report, Executive Department, Part I., City Document No. 1, 1891.

Paving Department before 1891.

NAME.	Year.
Enoch Patterson, Superintendent Streets and Drains .	1825 to 1831
Zephaniah Sampson, “ “ “ “ .	1831 to 1846
Thomas Hunting, Superintendent	1846 to 1853
Alfred T. Turner, “	1853 to 1864
Charles Harris, “	1864 to 1883
Nehemiah T. Merritt, “	1883
James J. Flynn, “	1883
Charles Harris, “	1884
Michael Meehan, “	1884 to 1886
John W. McDonald, “	1886 to 1889
J. Edwin Jones, “	1889 to 1891

Paving Department before 1891.

NAME OF DOCUMENT.						For Year.	Pub. Year.	No. of Doc.
Quarterly report	.	.	.	.	.	.	1851	6
" "	.	.	.	.	.	.	1851	29
Annual report	.	.	.	.	.	1851	1852	2
" "	.	.	.	.	.	1852	1853	6
" "	.	.	.	.	.	1853	1854	6
" "	.	.	.	.	.	1854	1855	5
" "	.	.	.	.	.	1855	1856	3
" "	.	.	.	.	.	1856	1857	3
" "	.	.	.	.	.	1857	1858	3
" "	.	.	.	.	.	1858	1859	5
" "	.	.	.	.	.	1859	1860	6
" "	.	.	.	.	.	1860	1861	5
" "	.	.	.	.	.	1861	1862	4
" "	.	.	.	.	.	1862	1863	3
" "	.	.	.	.	.	1863	1864	3
" "	.	.	.	.	.	1864	1865	7
" "	.	.	.	.	.	1865	1866	3
" "	.	.	.	.	.	1866	1867	6
" "	.	.	.	.	.	1867	1868	9
" "	.	.	.	.	.	1868	1869	14
" "	.	.	.	.	.	1869	1870	13
" "	.	.	.	.	.	1870	1871	12
" "	.	.	.	.	.	1871	1872	16
" "	.	.	.	.	.	1872	1873	21
" "	.	.	.	.	.	1873	1874	25
" "	.	.	.	.	.	1874	1875	27
" "	.	.	.	.	.	1875	1876	30
" "	.	.	.	.	.	1876	1877	38
" "	.	.	.	.	.	1877	1878	29
" "	.	.	.	.	.	1878	1879	24
" "	.	.	.	.	.	1879	1880	24
" "	.	.	.	.	.	1880	1881	48
" "	.	.	.	.	.	1881	1882	51
" "	.	.	.	.	.	1882	1883	47
" "	.	.	.	.	.	1883	1884	46
" "	.	.	.	.	.	1884	1885	97
" "	.	.	.	.	.	1885	1886	30
" "	.	.	.	.	.	1886	1887	16
" "	.	.	.	.	.	1887	1888	23
" "	.	.	.	.	.	1888	1889	30
" "	.	.	.	.	.	1889	1890	19
" "	.	.	.	.	.	1890	1891	*

* Published in annual report, Executive Department, Part II., City Document No. 1, 1891.

Sewer Department before 1891.

NAME.	Year.
Enoch Patterson, Superintendent	1825 to 1831
Zephaniah Sampson, "	1831 to 1837
Charles B. Wells, "	1837 to 1856
Simeon B. Smith, "	1856 to 1863
William H. Bradley, "	1863 to 1883
Horace A. Moses, "	1883 to 1885
Thomas J. Young, "	1885 to 1887
Seth Perkins, "	1887 to 1889
Charles Morton, "	1889 to 1891

Sewer Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. Doc.
Annual report	1859	1861	11
" "	1860	1861	12
" "	1861	1862	12
" "	1862	1863	13
" "	1863	1864	11
" "	1864	1865	5
" "	1865	1866	6
" "	1866	1867	8
" "	1867	1868	13
" "	1868	1869	11
" "	1869	1870	3
" "	1870	1871	11
" "	1871	1872	10
" "	1872	1873	13
" "	1873	1874	12
" "	1874	1875	17
" "	1875	1876	11
" "	1876	1877	13
" "	1877	1878	15
" "	1878	1879	11
" "	1879	1880	16
" "	1880	1881	19
" "	1881	1882	18
" "	1882	1883	16
" "	1883	1884 }	43
" "	1884	1885 }	
" "	1885	1886	58
" "	1886	1887	69
" "	1887	1888	81
" "	1888	1889	129
" "	1889	1890	14
" "	1890	1891	*

* Published in annual report, Executive Department, Part II., City Document No. 1, 1891.

Health Department before 1891.

Sanitary..

NAME.	Year.
Ezra Forristall, Superintendent	1853 to 1854
Joseph W. Coburn, "	1854 to 1855
Ezra Forristall, "	1855 to 1869
George W. Forristall, "	1869 to 1890

Health Department before 1891.

Sanitary.

NAME OF DOCUMENT.	Year.	Pub. Year.	No. of Doc.
Annual report	1853	1854	7
" "	1854	1855	6
" "	1855	1856	4
" "	1856	1857	4
" "	1857	1858	4
" "	1858	1859	4
" "	1859	1860	5
" "	1860	1861	6
" "	1861	1862	5
" "	1862	1863	5
" "	1863	1864	4
" "	1864	1865	4
" "	1865	1866	8
" "	1866	1867	7
" "	1867	1868	8
" "	1868	1869	12
" "	1869	1870	4
" "	1870	1871	10
" "	1871	1872	17
" "	1872	1873	40
Annual report from 1873 to 1884, inclusive ; the Superintendent's report was embodied in the report of the Board of Health	1885	1886	45
Annual report	1886	1887	22
" "	1887	1888	16
" "	1888	1889	23
" "	1889	1890	21
" "	1890	1891	*

* Published in annual report, Executive Department, Part II., City Document No. 1, 1891.

Commissioners of Cambridge Bridges before 1891.
(West Boston, Canal, and Prison Point.)

NAME.	Year.
Frederick W. Lincoln, Commissioner for Boston,	{ May 22, 1871, to March, 1891.
Ezra Parmenter, Commissioner for Cambridge,	{ June 14, 1871, to Jan. 31, 1883.
William J. Marvin, Commissioner for Cambridge,	{ March 28, 1883, to present time.

NOTE.—Harvard Bridge added in 1892. Essex street, Cambridge street, North Harvard street, and Western avenue bridges to Cambridge were transferred from Street Department, July 1, 1898.

Commissioners of Cambridge Bridges before 1891.
(West Boston, Canal, and Prison Point.)

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual report	1871	1872	19
" "	1872	1873	12
" "	1873	1874	16
" "	1874	1875	23
" "	1875	1876	20
" "	1876	1877	12
" "	1877	1878	10
" "	1878	1879	8
" "	1879	1880	12
" "	1880	1881	8
" "	1881	1882	15
" "	1882	1883	15
" "	1883	1884	19
" "	1884	1885	8
" "	1885	1886	12
" "	1886	1887	19
" "	1887	1888	25
" "	1888	1889	22
" "	1889	1890	20
" "	1890	1891	*

*Published in annual report, Executive Department, Part I., City Document No. 1, 1891.

Ferry Department before 1895.

NAME.	Year.
Board of Ferry Directors	1870. 1891
William J. Burke, Superintendent	1891 May 1, 1895
Thomas Kellough	May 1, 1895 July 1, 1895

Ferry Department before 1895.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual report	1870	1871	41
“ “	1871	1872	55
“ “	1872	1873	81
“ “	1873	1874	42
“ “	1874	1875	65
“ “	1875	1876	51
“ “	1876	1877	53
“ “	1877	1878	49
“ “	1878	1879	60
“ “	1879	1880	74
“ “	1880	1881	77
“ “	1881	1882	72
“ “	1882	1883	93
“ “	1883	1884	76
“ “	1884	1885	72
“ “	1885	1886	28
“ “	1886	1887	12
“ “	1887	1888	10
“ “	1888	1889	3
“ “	1889	1890	4
“ “	1890	1891	*
“ “	1891	1892	12
“ “	1892	1893	11
“ “	1893	1894	11
“ “	1894	1895	11

*Published in annual report, Executive Department, Part I., City Document No. 1, 1891.

Street Department since 1891.

Superintendent.

Henry H. Carter, Member of American Society Civil Engineers.
Resigned December 8, 1894.

Charles R. Cutter, Acting Superintendent from December 8, 1894, to January 14, 1895.
Member of the Boston Society Civil Engineers.

Bertrand T. Wheeler, Superintendent from January 14, 1895, to February 4, 1896.
Member of the Boston Society Civil Engineers.

Benjamin W. Wells, Superintendent from February 4, 1896, to February 1, 1900.

Bertrand T. Wheeler, Superintendent from February 2, 1900, to the present time.
Member of the Boston Society Civil Engineers.

- BRIDGE DIVISION.—John A. McLaughlin, Deputy Superintendent until June 1, 1895.
- BRIDGE DIVISION.—John P. Wise, Deputy Superintendent from June 1, 1895, to February 14, 1896.
- BRIDGE DIVISION.—William H. Carberry, Deputy Superintendent from February 14, 1896, to February 3, 1900.
- BRIDGE DIVISION.—Walter Reed, Deputy Superintendent from February 5, 1900, to the present time.
- FERRY DIVISION.—Thomas Kellough, Deputy Superintendent from July 1, 1895, to February 14, 1896.
- FERRY DIVISION.—William F. McClellan, Deputy Superintendent from February 14, 1896, to February 3, 1900.

- FERRY DIVISION.—Joseph J. Dennison, *Deputy Superintendent from February 5, 1900, to the present time.*
- PAVING DIVISION.—Charles R. Cutter, *Deputy Superintendent until January 24, 1895.*
- PAVING DIVISION.—Darius N. Payson, *Deputy Superintendent from January 24, 1895, to March 1, 1896.*
- PAVING DIVISION.—John L. Kelly, *Deputy Superintendent from March 1, 1896, to February 3, 1900.*
- PAVING DIVISION.—Darius N. Payson, *Deputy Superintendent from February 5, 1900, to the present time.*
- SANITARY DIVISION.—George W. Forristall,¹ *Deputy Superintendent.*
- SANITARY DIVISION.—Philip A. Jackson, *Acting Deputy Superintendent from January 16, 1894, to February 1, 1895.*
- SANITARY DIVISION.—Charles A. Young, *Deputy Superintendent from February, 1895, to March 1, 1896.*
- SANITARY DIVISION.—Patrick O'Shea, *Deputy Superintendent from March 1, 1896, to February 3, 1900.*
- SANITARY DIVISION.—Charles A. Young, *Deputy Superintendent from February 5, 1900, to the present time.*
- SEWER DIVISION.—Henry W. Sanborn, *Deputy Superintendent until July 10, 1896.*
Member Philadelphia Society Civil Engineers.
- SEWER DIVISION.—Charles R. Cutter, *Deputy Superintendent from July 10, 1896, to February 3, 1900.*
Member of the Boston Society of Civil Engineers.
- SEWER DIVISION.—Guy C. Emerson, *Deputy Superintendent from February 5, 1900, to the present time.*
- STREET CLEANING DIVISION.—Philip A. Jackson, *Deputy Superintendent until March 22, 1895.*
- STREET CLEANING DIVISION.—Benjamin M. Cram, *Deputy Superintendent from March 22, 1895, to March 1, 1896.*
- STREET CLEANING DIVISION.—Joshua Atwood, 3d, *Deputy Superintendent from March 1, 1896, to February 3, 1900.*
Member of the Boston Society of Civil Engineers.
- STREET CLEANING DIVISION.—Frank H. Haynes, *Deputy Superintendent from February 5, 1900, to the present time.*
- STREET WATERING DIVISION.—M. Edward Libby, *Deputy Superintendent from March 6, 1895, to March 1, 1896.*
- STREET WATERING DIVISION.—Thomas J. Finneran, *Deputy Superintendent from March 1, 1896, to February 3, 1900.*
- STREET WATERING DIVISION.—Frederick Hammond, *Deputy Superintendent from February 5, 1900, to the present time.*
- BOSTON AND CAMBRIDGE BRIDGES.—Henry H. Carter, *ex-officio, Commissioner for Boston, until December 8, 1894.*
Charles R. Cutter, *Acting from December 8, 1894, to January 14, 1895.*
Bertrand T. Wheeler, *from January 14, 1895, to February 4, 1896.*
Benjamin W. Wells, *from February 4, 1896, to February 1, 1900.*
Bertrand T. Wheeler, *from February 2, 1900, to the present time.*
William J. Marvin, *Commissioner for Cambridge.*

.Street Department.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual report, Executive Dept. Part II.	1891	1892	36
“ “ “ “ “	1892	1893	34
“ “ “ “ “	1893	1894	34
“ “ “ “ “	1894	1895	34
“ “ “ “ “	1895	1896	29
“ “ “ “ “	1896	1897	29
“ “ “ “ “	1897	1898	34
“ “ “ “ “	1898	1899	35
“ “ “ “ “	1899	1900	38
“ “ “ “ “	1900	1901	38

¹ Died January 12, 1894.



ANNUAL REPORT
OF THE
STREET LAYING-OUT DEPARTMENT
FOR THE YEAR 1900-1901.

BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — The Board of Street Commissioners present the following as the report of the Street Laying-out Department, including a statement relating to public lands in their care, for the year ending January 31, 1901.

Streets having a total mileage of 1.593 were made public ways during the year. Under authority of an act of the Legislature of 1891, and its amendments, providing for assessment upon abutting property of the benefit arising from the laying-out and construction of streets, there has been assessed, upon twenty-five streets and ten public alleys, a total of \$349,981.30. Under special acts providing for the assessment of benefits to real estate on account of the widening, extension and construction of Huntington avenue, the widening and construction of Clinton street, and the location and construction of the South Union Station, Summer and Cove streets, a total of \$1,387,512.79 has been assessed. For benefits for sewerage works assessments to the amount of \$282,032.87 have been made. The total of benefits

assessed for streets, sewerage works, and the South Union Station, during the year is the sum of \$2,019,-526.96.

The Board has issued thirty-seven orders of notice of intention to lay out, widen, relocate, extend and discontinue streets, or parts of streets, and public alleys, calling for public hearings. It has received and considered fifty-nine petitions for street improvements. For the laying of sewers and surface drains there have been one hundred and twenty-eight petitions presented to the Board during the year. In the settlement of damages for takings of land, etc., for various changes in the City's streets two hundred and sixty-six cases have been acted upon by the Commissioners. Claims for damages for sewers and surface drains ordered have been settled to the number of forty-six. Two petitions for release of sewer assessments have been received, and the releases made by the Board, under authority of the act empowering them to release parts of estates from assessments for sewers and sidewalks upon payment of the proportional parts due upon the parcels released.

Under the provisions of acts of the Legislature giving the Street Commissioners authority to take land for and order the construction of sewerage works, orders have been passed for the improvement and relocation of various natural streams or water courses, and surface drainage has been supplied for territories needing it as follows: Faneuil Valley brook has been relocated, at Brighton, south from Washington street opposite Fairbanks street; surface drainage has been provided for Kempton street and Kenwood road, at Roxbury, for Cornell street, West Roxbury, Zamora street, West Roxbury, and for land at the junction of Harvard avenue and Commonwealth avenue, at Brighton.

Takings have been made for and sewers ordered built in the following private ways: In *Boston*—in a passageway leading from St. Botolph street; at *East Boston*—an outlet for sewer in Putnam street; at *South Boston*—in Hamlin street and Bell court; at *Roxbury*—in Kempton street and Kenwood road; at *Dorchester*—in Gustine street, Cottage park, Rowena street, and Brunswick street; at *West Roxbury*—in Bellevue avenue, Pleasant street, Cornell street, Selwyn street, Belgrade avenue, and Lorraine street, and at *Brighton*—in Madison avenue.

SEWERS have been ordered built in the following public streets :

Adams street, Dorchester, from Tenean creek to Neponset avenue.

Adams street, Dorchester, in taking in private land between and Milton Branch Railroad.

Adams street, Dorchester, from Richmond street two hundred and five feet northerly.

Arlington avenue, Charlestown, between Alford street and Beacham street.

Boylston street, between Carver street and Tremont street.

Blake street, South Boston, between Dorchester avenue and Boston street.

Burt street, Dorchester, from strip of land between Bailey and Burt streets, taken for sewerage purposes, to a culvert one hundred feet southwesterly.

Beacham street, Charlestown, between Arlington street and West street.

B street, South Boston, between Fourth street and Silver street.

Brookside avenue, connection for Stony brook, between conduit in said avenue and Green street.

Chelsea street, East Boston, from Curtis street seven hundred and fifty feet westerly.

Corey street, West Roxbury, from Park street to Railroad street.

Congress street, between Estes place and Gilbert place.

Cambridge street, Charlestown, between Sever street and Carter street.

Commercial street, tide-gates at corner of Clark street.

Dorchester avenue, South Boston, from junction of B street and West Seventh street to South Bay.

Dale street, West Roxbury, at Burley street.

Eastern avenue.

Fairbanks street, Brighton, from Faneuil street to Washington street.

Gardner street, West Roxbury, between Baker street and the Metropolitan sewer.

Gay Head street, West Roxbury, from Minden street to Round Hill street.

Gainsborough street, from passageway to St. Botolph street.

Humboldt avenue, Roxbury, between Waumbeck street and Hollander street.

Haverhill street, between Traverse street and Causeway street.

Kneeland street, from South street to Utica street.

Lagrange street, West Roxbury, from Pleasant street to Centre street.

Maxwell street, Dorchester, between Capen street and Nelson street.

Millet street, Dorchester, from Talbot avenue to Wheatland avenue.

Massachusetts avenue, between Lansdowne street and the Dorchester brook sewer.

Newland street, between West Dedham street and West Canton street.

Neponset avenue, Dorchester, between Adams street and Minot street.

Norfolk street, Dorchester, from Fremont street two hundred and fifty feet southerly.

Oak street, between Hudson street and Albany street.

Park street, West Roxbury, from Corey street to Centre street.

Poplar street, between Farrell avenue and Chambers street.

Round Hill street, West Roxbury, from Gay Head street to Walden street.

Ritchie street, Roxbury, from Columbus avenue two hundred and seventy feet east, and in land of the City of Boston one hundred feet northerly from Ritchie street.

Selden street, Dorchester, between Capen street and Milton avenue.

St. Botolph street, ninety feet north from Gainsborough street.

Stanhope street, from existing sewer to Trinity place.

South street, West Roxbury, from Jamaica street to St. Joseph street.

St. Joseph street, West Roxbury, from South street to Woodman street.

Silver street, South Boston, from B street to D street.

Stillman street, from Endicott street to North Margin street.

Utica street, from Kneeland street to Beach street.

Washington street, Brighton, between Dighton place and Winship street.

Washington street, Dorchester, between River street and Churchill place.

Beacham street, Charlestown, between West street and Main street.

Beverly street, between Charlestown street and Causeway street.

Gardner street, West Roxbury, from Baker street to Spring street.

Lansdowne street, from Ipswich street two hundred feet westerly.

Maxwell street, Dorchester, from Capen street five hundred and sixty feet easterly.

Parker Hill avenue, Roxbury, from Calumet street five hundred and fifty feet westerly.

Washington street, West Roxbury, from Forest Hills street two hundred and fifty feet southerly.

The following is a list of the new streets, with their lengths, laid out as public streets during the year:

BOSTON PROPER.

STREET.	FEET.
Trinity place, from Stuart street to Stanhope street,	259.68
Congress square, from the part of said square connecting Congress street with Devonshire street, and thence east to Congress street	186.50
Hale, from Green street	294.00
Bay State road, from Granby street to Chilmark street	1,415.35
Ashby, from Commonwealth avenue to Bay State road	297.57
Chilmark, from Commonwealth avenue to Bay State road	255.44
	<u>2,708.54</u>

EAST BOSTON.

Boardman, from Saratoga street to the Boston and Maine Railroad	<u>2,540.00</u>
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ROXBURY.

Hutchings, from Humboldt avenue to Elm Hill avenue	<u>1,104.76</u>
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DORCHESTER.

Denny, extension of southwardly	<u>278.81</u>
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WEST ROXBURY.

STREET.	FEET.
Robinwood avenue, from Centre street to Hazel street	1,783.12

RECAPITULATION.

DISTRICT.	FEET.
Boston proper	2,708.54
East Boston	2,540.00
Roxbury	1,104.76
Dorchester	278.81
West Roxbury	1,783.12
	<u>8,415.23 = 1.593 miles.</u>

DISCONTINUANCE OF STREETS.

BOSTON PROPER.

STREET.	FEET.
Lehigh, between South street and Broadway bridge .	647.00

The following are the widenings, relocations, discontinuances, etc., made upon public streets during the year:

STREET.	District.	Action.	Feet taken.	Feet discontinued.
Portland	Boston proper....	widening.....	11	.....
Portland	Boston proper....	discontinuance.....	.....	11
Portland	Boston proper....	widening.....	26	.....
Genesee	Boston proper....	widening.....	40	.....
Berkeley.....	Boston proper....	relocation .....	.....	.....
Washington	Dorchester.....	widening.....	174	.....
Walk Hill.....	West Roxbury ...	relocation ...	9,481	.....
Beacon	Brighton	relocation	46,346	.....
Totals.....	.....	.....	56,078	11

By an order of November 6, 1900, and acting under the provisions of chapter 462 of the acts of the Legislature of 1893, and acts in amendment or addition thereto, the Board of Street Commissioners established a building line upon Beacon street, parallel to, and distant nine and $\frac{7.5}{100}$ feet northerly from, the northerly

exterior side of said street, between Bowdoin street and Somerset street.

CHANGES IN STREET NAMES.

An order passed by the Board February 9, 1900, changing the name of Peter Parley street, leading from Washington street to Walnut avenue, at West Roxbury, to Peter Parley road, was confirmed by the Board of Aldermen February 19, 1900, and took effect under the provisions of law governing the matter, March 1, 1900.

An order passed by the Board February 9, 1900, changing the name of Dove street, at South Boston, leading from Dorchester street to E street, to Draper street, was confirmed by the Board of Aldermen February 19, 1900, and took effect under provisions of law governing the matter, March 1, 1900.

An order passed by the Board February 16, 1900, changing the name of Bothnia street, leading from Boylston street to Belvidere street, to St. Cecilia street, was confirmed by the Board of Aldermen February 26, 1900, and took effect under provisions of law governing the matter, March 1, 1900.

An order passed by the Board February 16, 1900, changing the name of Shamrock street, leading from Dorchester avenue to Freeport street, at Dorchester, to Kimball street, was confirmed by the Board of Aldermen February 26, 1900, and took effect under the provisions of law governing the matter, March 1, 1900.

An order passed by the Board February 17, 1900, naming the public way leading from Brandon street to South street, at West Roxbury, which is an extension southeastwardly to said Brandon street, and northwestwardly to said South street, of the public street known as Robert street, Robert street, was confirmed by the Board of Aldermen February 26, 1900, and took effect under the provisions of law governing the matter, March 1, 1900.

AUTHORITY GIVEN TO OPEN NEW STREETS.

Acting under the provisions of chapter 323 of the acts of the Legislature of 1891, and acts in amendment thereof, the Board of Street Commissioners have,

during the past year, given permission to land-owners to open the following private ways:

South Boston.

Ballister street, from Congress street.

Roxbury.

Posen street, from Arklow street to Ulmer street extended.

Ulmer street, from Arklow street to Centre street.

Chickamauga park, from Highland street.

Darling street, from Parker Hill avenue to Hillside street.

Wait street, from Parker Hill avenue to Hillside street.

Iroquis street, from Wait street to Darling street.

Dorchester.

Greeley street, from Geneva avenue to Freeman street.

Chalmers street, from Geneva avenue to Freeman street.

West Roxbury.

South Fairview street, from Dudley avenue.

Adelaide terrace, from Adelaide street.

Cleaves street, from Columbus avenue.

Brighton.

Glenburn road, from Faneuil street to Hobart street.

Bothwell road, from Faneuil street to Glenburn road.

Newcastle road, from Faneuil street to Brooks street.

Donnybrook road, from Faneuil street to Glenburn road.

ASSESSMENTS FOR LAYING-OUT AND CONSTRUCTION OF
STREETS.

Assessments have been levied upon the estates abutting upon the following streets, under the provisions of

chapter 323 of the Acts of the Legislature of 1891, and acts in amendment or addition thereto:

STREET.	Date of Order.	Cost.	Amount Assessed.	Date of Assessment.
Rosseter street	Aug. 6, 1897	\$7,999 19	\$2,541 60	Feb. 13, 1900
Telford street.....	March 1, 1898	1,792 72	1,792 72	Feb. 14, 1900
Chamberlain street.....	July 10, 1896	4,134 22	3,364 85	Feb. 14, 1900
Fairmount street.....	April 14, 1897	28,765 05	21,573 78	Feb. 14, 1900
Leroy street.....	Aug. 19, 1897	6,998 22	5,594 36	Feb. 19, 1900
Waterlow street.....	Aug. 31, 1897	3,619 70	2,488 01	March 2, 1900
Merlin street.....	April 29, 1898	2,390 39	2,390 39	March 16, 1900
Bernard street	Aug. 31, 1897	10,298 43	6,363 17	March 21, 1900
Athelwold street	May 6, 1896	4,800 00	4,800 00	March 31, 1900
Athelwold street	Aug. 7, 1896	11,981 06	11,981 06	March 31, 1900
Trinity place.....	Dec. 5, 1898	4,056 16	4,056 16	May 9, 1900
Commonwealth avenue	Jan. 5, 1895	88,838 06	88,838 06	June 7, 1900
Commonwealth avenue	June 29, 1895	133,736 71	95,987 66	June 7, 1900
Lonsdale street	Nov. 19, 1897	13,834 22	12,047 11	June 13, 1900
Andrews street	June 9, 1899	1,468 66	979 06	July 24, 1900
Carlos street	Nov. 11, 1897	2,308 65	1,846 96	July 24, 1900
Mellen street.....	May 27, 1898	5,606 70	4,765 68	July 31, 1900
Woodlawn street.....	Nov. 30, 1897	6,716 99	6,716 99	Nov. 13, 1900
Idaho street.....	Oct. 28, 1897	5,849 54	5,849 54	Nov. 13, 1900
Hewins street	March 2, 1898	4,342 37	4,342 37	Nov. 13, 1900
Maryland street.....	Dec. 16, 1897	3,335 03	3,335 03	Nov. 13, 1900
Leedsville street.....	Nov. 17, 1897	4,454 03	3,785 93	Nov. 15, 1900
Atherstone street	Aug. 23, 1898	2,052 67	2,052 67	Jan. 23, 1901
Hubbard street.....	April 22, 1898	3,413 44	2,730 75	Jan. 23, 1901
Bragdon street.....	July 29, 1898	3,578 17	3,578 17	Jan. 23, 1901
Chester street	Oct. 3, 1898	25,976 88	20,781 50	Jan. 28, 1901
Harold street.....	Dec. 18, 1897	6,663 01	5,792 57	Jan. 28, 1901
		\$399,010 27	\$330,376 15	

ASSESSMENTS FOR LAYING-OUT AND CONSTRUCTION OF PUBLIC ALLEYS

Assessments have been levied upon the estates abutting upon the following public alleys, under the provisions of chapter 323 of the Acts of the Legislature of

1891, and chapter 298 of the Acts of the Legislature of 1898, and acts in amendment of or addition to said acts :

ALLEY.	Date of Order.	Cost.	Amount Assessed.	Date of Assessment.
Public Alley 2001.....	Dec. 21, 1898	\$583 13	\$291 54	July 31, 1900
Public Alley 101.....	Oct. 31, 1898	2,399 88	2,399 88	Oct. 8, 1900
Public Alley 403.....	Oct. 12, 1898	2,659 76	2,659 76	Nov. 8, 1900
Public Alley 404.....	Oct. 12, 1898	3,846 51	3,846 51	Nov. 8, 1900
Public Alley 418.....	Oct. 12, 1898	253 12	253 12	Nov. 8, 1900
Public Alley 419.....	Oct. 12, 1898	1,812 40	1,812 40	Nov. 8, 1900
Public Alley 420.....	Oct. 12, 1898	119 29	119 29	Nov. 8, 1900
Public Alley 431.....	Nov. 10, 1898	1,259 46	1,259 46	Nov. 8, 1900
Public Alley 437.....	Nov. 10, 1898	2,536 48	2,536 48	Nov. 8, 1900
Public Alley 701.....	Feb. 17, 1899	4,520 97	4,426 71	Nov. 15, 1900
		\$19,991 00	\$19,605 15	

SPECIAL ASSESSMENTS.

Under authority of special acts of the Legislature assessments have been levied by the Street Commissioners during the year for benefits to real estate arising from extending, widening, laying-out and constructing Huntington avenue, from Copley square through or over Tremont street to the boundary line of the town of Brookline, from widening and constructing Clinton street, from Fulton street to Commercial street, and from the location and construction of the Union Station, Summer street and Cove street, as under:

Huntington avenue	.	.	.	.	.	\$338,878 52
Clinton street	.	.	.	.	.	90,418 29
Union Station, Summer street and Cove street	.					958,215 98
						<u>\$1,387,512 79</u>

Assessments upon property benefited by sewerage works that have been ordered by the Board of Street Commissioners have been levied during the year to the amount of \$282,032.87.

Payments made for land damages and other claims,

on account of laying-out, widening, relocating and extending streets, including claims previous to January 31, 1900:

STREET LAYING-OUT DEPARTMENT APPROPRIATION.

Commercial street	\$990 00
Washington and Bartlett streets, Roxbury	728 05
Vermont street, West Roxbury	400 00
	\$2,118 05

PAYMENTS MADE FROM OTHER APPROPRIATIONS.

Beacham street	\$7,400 00
Adams street, Park to Parkman	2,600 00
Weld street	206 00

Laying-out and Construction of Highways :

Columbia road	\$315,453 54
B street	34,022 38
Belvidere street	18,525 45
South street	15,035 95
Swett street	9,238 00
Spring street	7,658 90
Leeds street	4,000 00
Wensley street	3,283 64
West Selden street	3,153 00
North Harvard street	2,952 00
Angell street	2,801 25
Barrington street	1,524 00
Hubbard street	1,275 00
Millet street	1,176 77
Burt street	1,040 74
Dixfield street	900 00
Francis street	641 00
Amory street	530 00
Genesee street	250 00
Callender street	214 77
Spencer street	168 08
Mellen street	120 00
Gaylord street	57 00

\$424,021 47

Laying-out and Construction of Highways, chapter 443 of 1899, —Roxbury and West Roxbury :

Walk Hill street	\$18,481 00
Carlow street	9,250 00

<i>Carried forward</i>	\$27,731 00	\$424,021 47
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<i>Brought forward</i> , \$27,731 00	\$424,021 47
Brookline avenue . 9,000 00	
Corinth street . 2,900 00	
Echo street . 1,700 00	
Perkins street . 985 74	
Custer street . 525 00	
Cardington street . 250 00	
	43,091 74

Laying-out and Construction of
Highways, chapter 443 of 1899,
—Dorchester :

Lauriat avenue . \$53,911 06	
Hancock street . 19,670 00	
Bird street . 15,000 00	
Barry street . 7,300 00	
Shepton street . 7,236 33	
Leonard street . 5,850 00	
Gibson street . 3,000 00	
Alexander street . 2,500 00	
Boston street . 2,091 00	
Edwin street . 1,192 80	
	117,751 19

Laying-out and Construction of
Highways, chapter 443 of 1899,
—East Boston :

Bennington street . . .	292,567 55
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Laying-out and Construction of
Highways, chapter 443 of 1899,
—Brighton :

Cambridge street . \$10,725 00	
Tremont street . 3,193 86	
	13,918 86
	\$891,350 81

Charlestown street (chapter 346 of 1897) . .	191,775 53
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Blue Hill and other avenues :

Huntington avenue . . .	\$10,164 63
Columbus avenue . . .	9,946 00
Blue Hill avenue . . .	5,044 08
	25,154 71
	\$1,108,281 05

The following are settlements made by the Board of Street Commissioners during the financial year, of damages occasioned by takings for surface drainage and sewers :

Tenean creek :

Ashmont to Lonsdale street :

Marietta P. Brooks	.	.	.	\$388 05
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Gibson to Centre street :

Margaret M. Lynn	.	.	.	225 00
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\$613 05

Stony brook :

Canterbury branch, Franklin field to

Brook street :

Patrick Meehan	.	.	\$3,000 00
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Moses Williams	.	.	2,890 00
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F. H. Robinson	.	.	60 00
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E. W. Noyes, gdn., <i>et al.</i>	.	.	324 13
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\$6,274 13

Neponset avenue branch :

Letitia B. Evans	.	.	\$283 00
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Ann E. Merrill <i>et al.</i>	.	.	225 00
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Ellen F. Dolan	.	.	75 00
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Patrick Dolan	.	.	35 00
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Archibald M. Robertson,	.	.	90 00
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Margaretta Heid	.	.	75 00
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783 00

Oakland Garden fork of Canterbury
branch :

Mary C. Bicknell	.	.	89 82
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7,146 95

Goldsmith brook :

William Killion	.	.	.	\$402 90
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Henry McDonald	.	.	.	450 00
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Maria J. Hassey	.	.	.	120 00
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Ellen Cady <i>et als.</i>	.	.	.	120 00
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James Leonard	.	.	.	125 00
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Hannah Craffey <i>et als.</i>	.	.	.	125 00
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Susie French	.	.	.	125 00
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Bridget Galvin	.	.	.	400 00
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John Murray	.	.	.	175 00
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Joseph Ladner	.	.	.	160 00
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Chester H. Baker	.	.	.	150 00
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Bedford E. Fulmore	.	.	.	100 00
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Ralph J. Renton	.	.	.	100 00
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J. and M. A. Galvin	.	.	.	150 00
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Patrick W. Condry	.	.	.	160 00
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Carried forward

\$2,862 90

\$7,760 00

<i>Brought forward</i>	.	.	.	\$2,862 90	\$7,760 00
Patrick O'Loughlin <i>et als.</i>	.	.	.	275 00	
					3,137 90
Shepard brook :					
T. E. Kenney, excr.	.	.	.	\$526 20	
J. M. Fitzgerald, admr.	.	.	.	565 20	
					1,091 40
Freeport street brook :					
James V. Devine	.	.	.	\$300 00	
Frank Anthony	.	.	.	450 00	
					750 00
Mattapan brook :					
W. H. Wilkinson	.	.	.	\$350 00	
Charles H. Carew	.	.	.	225 00	
					575 00
Franklin Park brook :					
Joseph E. Nute	.	.	.	.	2,400 00
Salt Creek brook :					
Boston & Albany Railroad Company	.	.	.	.	512 76
Faneuil Valley brook :					
Lasell E. Partridge	.	.	.	.	800 00
Commonwealth and Harvard avenues, surface drainage :					
Ellen E. Packard	.	.	.	\$1,582 10	
Edward A. Packard	.	.	.	1,211 60	
					2,793 70
Adams street to Milton Branch Railroad, surface drain :					
Susan J. Pierce	.	.	.	.	650 00
Prentiss place outlet :					
James Dunn	.	.	.	\$400 00	
Lawrence W. Griffin	.	.	.	275 00	
					675 00
West Selden street outlets :					
J. B. L. Bartlett	.	.	.	\$200 00	
Samuel Snow	.	.	.	769 00	
					969 00
Mascot street outlet :					
E. W. Noyes, guardian, <i>et al.</i>	.	.	.	.	153 00
Parley Vale outlet :					
Pauline W. Lewis	.	.	.	\$212 50	
Clarence B. Knott	.	.	.	212 50	
					425 00
Anson street sewer :					
William and Annie Swanton, excers.	.	.	.	.	200 00
Lamont street sewer :					
Margaret J. Donovan	.	.	.	.	750 00
Faxon street sewer :					
Charles S. Clerke	.	.	.	.	220 00
<i>Carried forward</i>	.	.	.	.	\$23,862 76

<i>Brought forward</i>	.	.	.	.	.	\$23,862 76
Middleton avenue sewer :						
Martin O'Brien	.	.	.	.	.	200 00
Ferndale street sewer :						
Heirs of Caroline Jackson	.	.	.	.	.	1,111 79
Faneuil street to Harriet street, sewer :						
Alvan M. Smith and others	.	.	.	.	.	527 70
Madison avenue, sewer :						
John Behan, admr.	.	.	.	.	.	100 00
Webster street, sewer :						
Mary R. Plympton	.	.	.	.	.	125 00
Fairview street, sewer :						
Roman Catholic Archbishop of Boston	.	.				1,000 00
						<u>\$26,927 25</u>

EXPENDITURES.

Salaries and other Expenses.

Salaries	.	.	.	.	.	.	.	\$25,464 09
Advertising	.	.	.	.	.	.	.	780 94
Printing	.	.	.	.	.	.	.	306 70
Stationery	.	.	.	.	.	.	.	459 54
Carriage-hire	.	.	.	.	.	.	.	266 50
Telephone and messenger service	.	.	.	.	.	.	.	290 13.
Books and maps	.	.	.	.	.	.	.	48 00
Furniture, fittings, electrical work and material, and repairs, for offices	.	.	.	.	.	.	.	38 54
Incidentals	.	.	.	.	.	.	.	282 27
Estimates	.	.	.	.	.	.	.	11,600 00

Public Lands.

Care tide-gates, King's mill pond land, two years	.	.	.	.	.	\$200 00
Care of Thomas-street school estate, Snow shovelling, Thornton-street school estate	.	.	.	.	.	20 00
						10 00
Taxes, Town of Hull	.	.	.	.	.	\$46 71
Taxes, City of Everett	.	.	.	.	.	16 70
						63 41
Repairs Ingraham school building, Sheafe street	.	.	.	.	.	26 50
Repairs, Thomas-street school building	.	.	.	.	.	22 50
						342 41
						<u>\$39,879 12</u>

The yearly rentals of lands and buildings in charge of the Board of Street Commissioners amount to \$812.

The expenditures of the Surveying Division of the Street Laying-Out Department have been as follows :

Salaries	\$55,236 19
Instruments and repairs	138 17
Surveyors' supplies	1,949 63
Stationery and printing stock	329 69
Printing	100 90
Books and maps	306 72
Travelling expenses	138 00
Car tickets	1,115 74
Telephone	172 91
Office fittings	714 14
Incidentals	168 52
Advertising	379 70
	\$60,750 31

PUBLIC LANDS.

The following is a list of the real estate belonging to the City in charge of the Board of Street Commissioners:

<i>City Proper.</i>	
DESCRIPTION.	SQUARE FEET.
Albany street, land opposite East Brookline street	1,074
Rented for \$100 a year.	
Harrison avenue, land between Brookline and Newton streets	4,740
<i>South Boston.</i>	
Gold street, land on south-west side, between A street and the New England Railroad	1,100
<i>Charlestown.</i>	
Rutherford avenue, land on north-east side	29,445
Small part of rented at \$12 a year.	
Remainder occupied by City Departments.	
Elm street, land and building on south-east side, corner of Lincoln place	3,397
<i>Roxbury.</i>	
Ritchie street, land opposite the Marcella-street Home,	22,716
Thornton street, Thornton-street Primary School estate	6,644

Dorchester.

DESCRIPTION.	SQUARE FEET.
Gibson street, land on north side	74,600
42,000 square feet rented to Sewer Division of Street Department at \$400 a year.	
32,600 square feet rented to Boston Water Board at \$300 a year.	
Baker's court, old lock-up estate	1,580
King's mill pond, so called, being that part of the bed of Tenean creek, or Smelt brook, between Mill, Exchange, Park and Adams streets and Neponset avenue, about	470,386
Southern avenue, land on south side, between Ber- nard street and Elmhurst street	4,335

West Roxbury.

Moreland street, land	30,421
Thomas street, Thomas-street Primary school estate,	10,954

Brighton.

Western avenue, marsh, north-east of Western avenue and north-west of North Harvard street	10,890
Parkman street, land on south-west side of	5,000

Islands, etc.

Great Brewster Island, Boston Harbor, about 16 acres.	
Apple Island, Boston Harbor, about 9½ acres.	
Summer and Pleasant streets, in town of Everett, old gravel pits	20,700

Conveyances.

February 15, 1900, there was conveyed to G. Fred Pierce and Ralph A. Quimby about 3,400 square feet of land on Codman street, Dorchester, adjoining and north-east of the Shawmut Branch Railroad, together with rights of the City of Boston in a passageway from Codman street adjoining said land on the north-east, for \$200 and the grantees' rights in about 2,040 square feet of land in the part of said passageway south-west of said railroad and adjoining other land of the City.

Acts of the Legislature provide that the Board of Street Commissioners, at the request of the School Committee, shall take, by purchase or otherwise, such lands for school purposes, as the School Committee,

with the approval of the Mayor, shall designate, etc., and that the damages sustained by any person under such taking shall be determined by agreement between said Board and persons, etc. Under these acts the Board have taken during the year the following lands:

LOCATION.	School.	From whom Taken or Purchased.	Date of Taking or Purchase.
Norfolk street, Dorchester..	New school.....	Catherine Elms.	March 12, 1900.
Glenway street, Dorchester.	Glenway School.	City of Boston ..	October 30, 1900.

During the financial year the following payments have been made for lands taken by the Board of Street Commissioners for school purposes:

Paul Revere School:	
T. J. McCormick	\$4,575 00
New school, Pearl, Bartlett and School streets, Charlestown:	
S. J. and C. W. Conant and H. I. Hadley .	4,400 00
	<u>\$8,975 00</u>

SURVEYING DIVISION.

The work of the Surveying Division during the past year has been carried on in a manner similar to that of past years, and is given in detail as follows:

PLAN 5.

The eight sections filed in this territory is the result of the work begun last year, a synopsis of the projections being given in a previous report.

For boundaries of the work in these especial sections it may be briefly stated that Codman square (junction of Talbot avenue, Washington street and Centre street) lies at its northernmost border, and with Washington street bisecting it, the territory extends as far south as Fairmount avenue, extending from this main trunk thoroughfare directly west 1,000 feet and eastwardly the same distance up the western slope of Ashmont Hill. There is scarcely any attempt made in these sections as filed to introduce new streets, the territory

being already well settled and developed. Exceptions are a proposed extension of Ashmont street westerly from the westerly line of Washington street, and an extension of Wentworth street to Fuller street.

A 40-foot street leaving Euclid street midway between Washington street and Withington street runs in a north-westerly direction, and enters Southern avenue near its junction with Talbot avenue.

A 40-foot street (No. 1609) is introduced to leave Norfolk street, nearly opposite Learnard street, to run along the north-easterly line of the Second Parish Cemetery and at the north-easterly corner to turn and enter the street just described above (No. 1608) near its junction with Southern avenue.

Dunbar avenue is also shown extended and a 40-foot street (College avenue) lies midway between and practically parallel with these two.

An extension of Moultrie avenue to Washington street is shown just north of the Second Church. These constitute almost entirely the suggestions for development, the work consisting largely in defining and fixing the old street lines and in perfecting the grades for them.

A large proportion of the territory covered by this plan has now been filed, and the balance will be at an early date, efforts to that end being now rapidly pushed upon the whole of it, except that part lying adjacent to the railroad and involving the grade crossing question, where it will be necessary to suspend operations until that question is settled.

Three hearings were given during the year under authority of Chapter 210 of the Acts of the Legislature of 1898, on the following dates: May 4, 1900, July 6, 1900, and December 28, 1900.

The hearing given on May 4 was held on territory shown on X 23, and was in relation to a reduction in the proposed width of School street from 50 feet to 40 feet, by the elimination of the proposed line of widening from the southerly side of the street, the straight portion of the old line from Washington street being produced to Athelwold street, and a line of widening provided for the northerly side of the street as far as Athelwold street, which should be 40 feet from and parallel with this latter line.

The plan showing this change has not been filed.

The hearing given on July 6 was held on territory

shown on X 73, X 74 and X 87, and was in relation to a relocation of and a reduction in the width of Wildwood street from 50 feet to 40 feet; the discontinuance of Sutton street and the substitution therefor of Verrill street; the elimination of the portion of Street No. 938 from Wildwood street to Verrill street and the introduction of Street No. 1984 from Morton street to Woolson street, between Wildwood street and Verrill street, under the name of Sutton street.

The changes as enumerated above were shown on new plans, and refiled November 27, 1900.

The hearing given on December 28 was held on territory shown on X 19 and X 22 and was in relation to the elimination of Street No. 264 from Dakota street to Lindsey street.

The plans showing this change have not yet been filed.

The following is a statement of the work done during the year :

Plan from actual survey of two sections; X 42 and X 59; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections; X 43 and X 58; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections; X 62 and X 79; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections; X 63 and X 78; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, X 74 and X 87; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, X 73; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, X 41 and X 60; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, X 66 and X 75; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, X 65 and X 76; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, X 64 and X 77; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Four sectional plans of Sections X 58, X 62, X 63 and X 73; size of each 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 4, 1901, with the City Engineer.

Four sectional plans of Sections X 42, X 43, X 59 and X 79; size of each, 4 feet by 4 feet; scale, $\frac{1}{250}$.

(Complete with grades.) These plans were approved by the Mayor and filed January 31, 1901, with the City Engineer.

In this territory of about 183.68 acres covered by the above plans there are comprised:

Public streets:

Number of streets	26
Length	24,400 ft. = 4.62 miles
Area	1,167,250 sq. ft. = 26.80 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	26
Length	19,660 ft. = 3.72 miles
Area	734,100 sq. ft. = 16.85 acres

Totals:

Number of streets	51
Length	42,160 ft. = 7.98 miles
Area	1,901,350 sq. ft. = 43.65 acres

Percentage of above area absorbed by all streets, old and new, 23.76 %.

Plans and profiles completed showing grades.

Whitfield street, from Norfolk street to Talbot avenue.

Southern avenue, from Washington street to Talbot avenue.

Norfolk terrace, from Washington street to Norfolk street.

Grace street, from Roslin street to Walton street.

Waldorf street, from Mellen street to Ashmont street.

Hillside terrace, from Bailey street to Fuller street.

Gordon street, from Torrey street to Dunbar avenue.

Washington street, from Norfolk street to Brent street.

Street No. 1601, from Fairmount street to Armandine street.

Street No. 1608, from Euclid street to Norfolk street.

Street No. 1609, from Whitfield street to Norfolk street.

Grades revised or fixed on whole or portions of the following streets:

Rosedale street, from Washington street to Whitfield street.

Northern avenue, from Washington street to Talbot avenue.

Norfolk street, from Chipman street to Washington street.

Learnard street, from Dunbar avenue to Norfolk street.

Chipman street, from Dunbar avenue to Norfolk street.

Wilmington street, from Torrey street to Norfolk street.

Armandine street, from Milton avenue to Washington street.

Rockwell street, from Milton avenue to Washington street.

Stockton street, from Milton avenue to Washington street.

Mora street, from Milton avenue to Washington street.

Fuller street, from Milton avenue to Washington street.

Wentworth street, from Armandine street to Dunbar avenue.

Ashmont street, from Wentworth street to Washington street.

Dunbar avenue, from Wentworth street to Washington street.

Grade plan of Sections X 42, X 43, X 58, X 59, X 62, X 63, X 78 and X 79; scale, $\frac{1}{1000}$. (Completed.)

In connection with the sectional and other plans enumerated above the following work has been done :

Number of titles looked up	756
Number of conveyances copied	254
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	55

PLAN 7.

This plan comprises the territory lying adjacent to South Bay, which has been undergoing something of a transformation through the railroad changes and improvements which have taken place the past two years. These operations have to a large extent interfered with the laying out of new work for this district, and also with that in progress.

One section, however, was finished and filed during the year. The principal feature of the improvements shown, in fact, the only one (as the territory is comparatively well settled), was the proposed widening of Preble street to seventy feet. Starting at Dorchester avenue the widening is all on the southerly side for the full extent; it gradually diminishes, however, until it is entirely worked out upon that side at Wendell street, and from there on the old line is practically the same as the new one. The northerly line of the new street is, of course, parallel with this line, and seventy feet from it; and as a matter of fact brings most of the widening upon the northerly line of the street.

This improvement, when carried out, will unquestionably prove advantageous to all adjacent property, making a fine, broad thoroughfare, connecting with Columbia road, and forming a way from Roxbury to South Boston without the objectionable features attendant on the present method of communication.

The following is a statement of the work done during the year :

Plan from actual survey of two sections, U 8 and U 13 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

One sectional plan of Section U 8 ; size, 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed January 4, 1901, with the City Engineer.

In this territory of about 22.96 acres covered by the above plans there are comprised :

Public streets :

Number of streets	9
Length	4,820 ft. = 0.91 miles
Area	176,570 sq. ft. = 4.05 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	8
Length	2,930 ft. = 0.55 miles
Area	112,350 sq. ft. = 2.58 acres

Totals:

Number of streets	16
Length	6,850 ft. = 1.30 miles
Area	288,920 sq. ft. = 6.63 acres
Percentage of above area absorbed by all streets, old and new, 28.87%.	

Plans and profiles completed showing grades of the following streets:

Gifford place, from Vinton street to Ward street.

Ward court, from Vinton street to Ward street.

Grades revised or fixed on the whole or portions of the following streets:

Carpenter street, from Preble street to Hyde street.

Centre place, from Preble street to Hyde street.

Dorchester street, from Dorchester avenue to Vinton street.

Hyde street, from Dorchester avenue to Old Colony avenue.

Jenkins street, from Dorchester street to Old Colony avenue.

Leeds street, from Dorchester avenue to Woodward street.

Liberty street, from Preble street to Hyde street.

Old Colony avenue, from Boston place to Street No. 1772.

Preble street, from Dorchester avenue to Old Colony avenue.

Rogers street, from Dorchester street to Hyde street.

Vinton street, from Dorchester street to Preble street.

Ward street, from Dorchester street to Preble street.

Washington avenue, from Hyde street to Street No. 1772.

Wendell place, from Hyde street to Preble street.

Wendell street, from Hyde street to Preble street.

Wesley street, from Hyde street to Preble street.

Woodward street, from Dorchester avenue to Leeds street.

Grade plan of Section U 8; scale, $\frac{1}{1000}$. Completed,

In connection with the sectional and other plans enumerated above, the following work has been done:

Number of titles looked up	9
Number of conveyances copied	10

Number of plans copied from Suffolk and Norfolk Registries and elsewhere	1
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PLAN 8.

There was some interruption in the work on this territory during the year, the result being the filing of but four sections, showing territory in the vicinity of Oak square and Bigelow hill. Other work was accomplished but not in time to show results in filed plans. The territory filed is bounded approximately by Washington street, Nonantum street, the boundary line between the cities of Boston and Newton, Washington street, Matchett street, Webster street, Dunboy street and Faneuil street.

The work as finished on these filed plans does not differ materially from that exhibited on them at the hearing given some time ago.

The suggestions which were then shown, and now adopted, were the introduction of 40-foot streets to divide the larger blocks, and provisions made for widening the thoroughfares. One street, 40 feet wide, extends from the Newton boundary line midway between Washington street and Tremont street, parallel with these streets until near Oak square, where it turns and enters Washington street at a point about 200 feet west of Tremont street.

The 60-foot street designed as a continuation from Newton of Hunnewell avenue, a part of which had been previously filed, is now carried to completion on three sections, in a southerly direction across Matchett street and Street No. 1719 to Shedd street, which is widened on either side to Champney street to meet the required width ; the latter street being also widened to the same width in like manner, from Shedd street to Oak square.

Another 40-foot street was filed, from the easterly side of Bigelow street about 150 feet south of Stratton street, following the contour of the hill, making as easy a gradient as possible, to connect with Webster street just west of Jackson square.

Street No. 1719, which runs from Washington street in the same direction as Matchett street, and is about 250 feet south-easterly, is continued to Webster street.

From the northerly end of Matchett street, a 40-foot street is designed to run along the rear of the deep lots

fronting on the northerly side of Webster street, as far as Jackson square, where it enters Dunboy street.

This street will enable the owners to properly utilize these very deep lots, as well as those fronting on the southerly side of Hardwick street, an opportunity which they did not previously possess.

Washington street, east of Oak square, is shown, widened to 70 feet.

Faneuil street it is proposed to make 60 feet wide.

Nonantum street is made a uniform width of 50 feet, while Crescent avenue is provided with a widening to make it 50 feet.

Two hearings were given during the year under Authority of chapter 210 of the Acts of the Legislature of 1898, on the following dates, March 30, 1900, and June 8, 1900.

The hearing given on March 30 was held on territory shown on Sections O 60, O 61 and O 62, and was in relation to the introduction of Evans road, Road No. 4 and Road No. 5, from Corey road to the Brookline town line.

The plans showing those changes have not yet been filed.

The hearing given on June 8 was held on territory shown on Sections N 29 and N 32, and was in relation to the introduction of Idlewild street from Commonwealth avenue to Holmes avenue, between Gorham street and Harvard avenue; also the rounding of the south-westerly corners of Harvard avenue and Commonwealth avenue.

The change shown on Section N 32 in relation to Idlewild street was made in accordance with the petition and a new plan filed November 27, 1900.

The following is a statement of the work done during the year :

Plan from actual survey of two sections, O 29 and O 30; size, 9 feet by 5 feet; scale, $\frac{1}{2\frac{1}{50}}$. (Completed.)

Plan from actual survey of two sections, O 11 and O 12; size, 9 feet by 5 feet; scale, $\frac{1}{2\frac{1}{50}}$. (Completed.)

Plan from actual survey of two sections, O 23 and O 24; size, 9 feet by 5 feet; scale, $\frac{1}{2\frac{1}{50}}$. (In progress.)

Plan from actual survey of two sections, O 27 and O 28; size, 9 feet by 5 feet; scale, $\frac{1}{2\frac{1}{50}}$. (In progress.)

Plan from actual survey of two sections, O 33 and O 34; size, 9 feet by 5 feet; scale, $\frac{1}{2\frac{1}{50}}$. (In progress.)

Plan from actual survey of three sections, O 8, O 9 and O 10 ; size, 13 feet by 5 feet ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 13 and O 14 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 15 and O 16 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, O 6 and O 7 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (In progress.)

Four sectional plans of Sections O 12, O 28, O 29 and O 30 ; size of each, 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 4, 1901, with the City Engineer.

In this territory of about 90.98 acres covered by the above sectional plans there are comprised :

Public streets :

Number of streets	.	.	.	.	.	7
Length	.	.	.	7,970 ft.	=	1.51 miles
Area	.	.	.	467,500 sq. ft.	=	10.73 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	.	.	.	.	.	23
Length	.	.	.	12,820 ft.	=	2.43 miles
Area	.	.	.	486,420 sq. ft.	=	11.17 acres

Totals :

Number of streets	.	.	.	.	.	27
Length	.	.	.	19,070 ft.	=	3.61 miles
Area	.	.	.	953,920 sq. ft.	=	21.90 acres

Percentage of area of above territory absorbed by all streets, old and new, 24.07%.

Plans and profiles completed showing grades of the following streets:

Oak square avenue, from Washington street to Faneuil street.

Montfern avenue, from Washington street to Faneuil street.

Street No. 1723, from Bigelow street to Webster street.

Champney street, from Washington street to Stratton street.

Street No. 1720, from Washington street to Matchett street.

Atkins street, from Washington street to Webster street.

Street No. 1710, from Washington street to Newton boundary line.

Stratton street, from Bigelow street to Atkins street.

Webster street, from Bigelow street to Matchett street.

Street No. 1726, from Bigelow street to Street No. 1714.

Grades revised or fixed on the following streets:

Commonwealth avenue, from Harvard avenue to Griggs street.

Idlewild street, from Commonwealth avenue to Holmes avenue.

Grade plan of Sections O 12 O 28, O 29 and O 30 ; scale, $\frac{1}{1000}$. (Completed).

Contour plan showing contours at every foot of parts of Sections O 12, O 13, O 28 and O 29, showing territory bounded by Bigelow street, Webster street, Dunboy street and Faneuil street; size, 3 feet by 4 feet; scale, 40 feet to an inch. (Completed.)

Two contour plans showing contours at every foot of Sections O 26 and O 27 and parts of Sections O 34 and O 35, showing territory bounded by Fairbanks street, Faneuil street, Parsons street and Washington street; size, Part 1, 5 feet by 7 feet; Part 2, 3 feet by 5 feet; scale, 40 feet to an inch. (Completed.)

In connection with the sectional and other plans enumerated above, the following work has been done:

Number of titles looked up	212
Number of conveyances copied	162
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	17

PLAN 10.

One second hearing was given during the year in conjunction with Plan 11 on Sections Z 91, Z 92, Aa 81, Aa 82, Aa 83, Aa 84, Aa 85, Aa 98, Aa 99, Aa 100, Bb 1, Bb 20, Bb 21, Bb 40, Cc 9, Cc 10, Cc 11, Cc 12, Cc 29, Cc 30, Cc 31, Cc 32, Cc 49, Cc 50 and Cc 52, showing territory bounded approximately by the Charles river, High street, Gardner street, Spring street

and the West Roxbury Branch of the New York, New Haven and Hartford Railroad.

Most of the work done on this plan during the year was in intimate connection with that of the adjacent Plan 11, and was chiefly along the line dividing the two.

Two sections, Z 65 and Z 75, being about equally divided by this line, were among those filed. The West Roxbury Station of the West Roxbury Branch of the New York, New Haven and Hartford Railroad is situated in Z 75, at its most westerly extremity.

Here the principal effort in the way of development was upon the tract west from the block of land bounded by Centre street, Bellevue street, Landseer street and LaGrange street. A 40-foot street leaves Centre street 200 feet from Bellevue street and continuing practically parallel with it, connects with Street No. 482, which runs from LaGrange street to Bellevue street about 200 feet from Landseer street.

From this street are projected two 40-foot streets which are to run in a south-westerly direction, and parallel with street No. 482 to LaGrange street.

From the last of these two streets (No. 692) two small 40-foot streets will extend from Centre street, and will complete the development of this tract, with streets located 200 feet apart, making all lots practically 100 feet deep.

The final plan providing for the widening to 80 feet of LaGrange street east of the railroad is filed, as is an additional plan for the widening of Centre street to 80 feet. The widenings on the latter are shown as being all of them practically on the easterly side. Provision is made to continue the widening of March avenue at 40 feet to Park street. The principal point of interest shown on Z 65 is the Highland Station on the West Roxbury Branch of the New York, New Haven and Hartford Railroad, which practically divides the section equally by a diagonal line. The treatment for development of the portion lying in Plan 11 will be spoken of in detail under that plan; all that pertaining to this plan being simply an adjustment of the lines and grades of the streets already upon the ground, which were considered satisfactory and ample for a proper growth of the district.

Another locality bounded approximately by Spring street, Charles river and the West Roxbury Branch

Railroad was given consideration for development, and as a result four sections of it were filed.

Although not very compactly built upon, a large number of streets had been projected in this district, and had some standing, as many sales of the lots had been made and recorded upon them.

It was, therefore, considered desirable to, as far as possible, let this system remain undisturbed, which has been done, the work here being confined to a readjustment of one of the most objectionable features, while several new streets were introduced to better divide the larger blocks.

From Prospect street, a 40-foot street has been projected to divide the block between Gould street and Billings street; this street terminated at a cross street beginning at Gould street and running south-westerly parallel with Belle avenue and 200 feet from it. From Prospect street, between Charles street and Washington avenue the very deep block has been sub-divided by the introduction of another 40-foot street.

Charles street, projected as it exists on record, shows a very considerable bend in its line; the plan as filed largely eliminates this by extending the portion lying east of Prospect street directly to that street.

From this portion of Charles street have been projected 40-foot streets at intervals of 200 feet from Prospect street, running towards the river bank, while one of these extends north-easterly to Washington avenue, dividing the very long block transversely.

A widening is made for Spring street to 80 feet, as far as the Dedham boundary line, and is chiefly upon the north-westerly side of the street.

Baker street is shown widened to 80 feet, the widening being equally upon either side.

A new street is located between Moreland street and Cypress street, and another between Baker street and Johnson avenue, and provision is made for the connection of Johnson avenue with Oak avenue, by the extension of the latter. At a distance of about 200 feet from Johnson avenue, a 40-foot street leaves Oak avenue, continuing easterly to beyond Ashland street. There was some work done upon Sections Z 51, Z 52 and Z 53, showing territory in the vicinity of Roslindale, under this plan, but it was unimportant, most of it falling within the lines of Plan 11, under which head it will be mentioned more in detail.

Two hearings were given during the year, under authority of chapter 210 of the Acts of the Legislature of 1898, on the following dates: February 9, 1900, and March 30, 1900.

The hearing held on February 9 was on territory shown on Sections Z 57, Z 63, Z 64, Z 78, Z 79, Z 81, Z 82 and Z 100, and was in relation to the change of the line of widening of Beech street, from the north-easterly side to the south-westerly side of the street.

The plans showing these changes have not yet been filed.

The hearing held on March 30 was on territory shown on Sections Cc 6, Cc 7 and Cc 15, and was in relation to a relocation of Street No. 608, opening from Centre street, nearly opposite Summer street, and continuing south-easterly at a width of 80 feet. The changes were made in accordance with petition, and the plan was filed on September 4, 1900.

A hearing was held on December 8, 1899, under authority of chapter 210 of the Acts of the Legislature of 1898, on territory shown on plans numbered Z 87, Z 93 and Z 94, lying north-west of Centre street, between Mt. Vernon street and Baker street, and was in relation to the extension of Temple street across the tracks of the West Roxbury Branch, New York, New Haven and Hartford Railroad, and the change of grade incidental to same of Temple street and the connecting streets.

The changes were made on Z 87 and Z 94 in accordance with the petition, and the plans were filed February 20, 1900.

Z 93 was not refiled as the original filing was subsequent to that of Z 87 and Z 94, and shows a grade which fits the conditions provided in those plans, showing changes refiled.

The following is a statement of the work done during the year:

Plan from actual survey of two sections, Cc 8 and Cc 13; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, Cc 11 and Cc 12; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of two sections, Cc 29 and Cc 30; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Parts of three sectional plans of Sections Y 52, Z 65; and Z 75; size of each, 4 feet by 4 feet; scale, $\frac{1}{250}$.

(Complete with grades). These plans were approved by the Mayor, and filed January 4, 1901, with the City Engineer.

Five sectional plans of sections or parts of Sections Y 53, Cc 8, Cc 12, Cc 13 and Cc 29; size of each, 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 31, 1901, with the City Engineer.

In this territory of about 115.13 acres covered by the above sectional plans there are comprised:

Public streets :

Number of streets	14
Length	5,870 ft. = 1.11 miles
Area	241,570 sq. ft. = 5.55 acres

New streets established, private streets adopted and public streets proposed to be widened under Chapter 323 of the Acts of 1891:

Number of streets	26
Length	18,110 ft. = 3.43 miles
Area	695,020 sq. ft. = 15.96 acres

Totals :

Number of streets	36
Length	21,590 ft. = 4.09 miles
Area	936,590 sq. ft. = 21.51 acres

Percentage of area of above territory absorbed by all streets, old and new, 18.64%.

Plans and profiles completed showing grades of the following streets :

Hart street, from Baker street to Prospect street.
Spring street, from Baker street to Charles river.
Oak avenue, from Johnson street to Excelsior street.
Billings street, from Elmwood street to George street.
Elmwood street, from Baker street to Street No. 756.
Street No. 1296, from Billings street to Street No. 758.
Street No. 1318, from Gould street to Street No. 1320.
Billings street, from Belle avenue to Hamilton street.
Washington avenue, from Belle avenue to Spring street.
Street No. 1321, from Prospect street to Belle avenue.

Charles street, from Prospect street to Belle avenue.

Prospect street, from Charles street to West Roxbury Branch New York, New Haven & Hartford Railroad.

Street No. 1392, from Johnson street to Johnson avenue.

Street No. 1423, from Prospect street to Street No. 1318.

Gould street, from Belle avenue to Hamilton street.

Walnut street, from Belle avenue to Spring street.

Moreland street, from Belle avenue to Spring street.

Hamilton street, from Gould street to Charles street.

Street No. 1973, from Washington avenue to Street No. 1975.

Street No. 1977, from Charles street to Street No. 1975.

Grade plan of Sections Cc 8, Cc 12, Cc 13, Cc 29, Y 52, Y 53, Z 65 and Z 75. Scale, $\frac{1}{1000}$. (Completed.)

In connection with the sectional and other plans enumerated above, the following work has been done :

Number of titles looked up, 343.

Number of conveyances copied, 162.

Number of plans copied from Suffolk and Norfolk Registries and elsewhere, 28.

PLAN 11.

One second hearing was given during the year on this plan, in conjunction with Plan 10, on Sections Z 91 and Z 92, Aa 81, Aa 82, Aa 83, Aa 84, Aa 85, Aa 98, Aa 99, Aa 100, Bb 1, Bb 20, Bb 21, Bb 40, Cc 9, Cc 10, Cc 11, Cc 12, Cc 29, Cc 30, Cc 31, Cc 32, Cc 49, Cc 50 and Cc 52, showing territory bounded approximately by the Charles river, High street, Gardner street, Spring street and the West Roxbury Branch of the New York, New Haven and Hartford Railroad.

The sections represented on this plan in the filing of work done during the year is the completion of a development, a large part of which was filed last year, for a territory lying on the slope of the hill east of Centre street, between Walter street and South street, more particularly east of the Arnold arboretum, Walter street and South street; also lying adjacent to and along the tracks of the West Roxbury Branch of the New York, New Haven and Hartford Railroad, northerly and southerly from Roslindale.

At this particular point there was a large amount of work done in the way of adjusting and working out in detail the new street lines and grades ordered by the commission appointed to eliminate the crossings at grade along this branch. The principal street of this work was what is now called Robert street, and is shown in detail on one of the plans filed. It begins at Centre street, opposite Fletcher street, at a width of 60 feet, and continues easterly from this point, practically parallel with South street, between Walter street and Conway street, under the tracks of the railroad, through what was formerly a portion of Brandon street, to South street.

In connection with the above work of the commission was made the extension of South Fairview street to South street, opposite Conway street.

The section filed showing the street will also show it extended at the same width (40 feet) still farther westerly parallel with the railroad, at a distance substantially 100 feet from it, across Guernsey street, at which point the distance from the railroad increases slightly as it continues to Central street, at Central Station, where it ends.

Nearly opposite this end of South Fairview street extended existed a small 40-foot street (No. 1698, as shown), which had been introduced through private interests; it continues south-westerly from Central street. Although it may not be the best arrangement that could be had, for many reasons it has been considered best to retain it.

Alongside the West Roxbury parkway, from Centre street to Church street, has been located a 40-foot street, and running parallel with it 200 feet away, is another street of the same width. Provision has been made to eliminate the objectional sharp corner at the junction of South street and Centre street by gracefully rounding it.

Two 40-foot streets have been projected from Centre street to South street, south of and substantially parallel with Congreve street, at a distance of about 200 feet apart; one of these streets crosses South street and continuing connects with the extension of South Fairview street.

From the westerly of these two streets is projected a 40-foot street to connect with South street, at a distance of about 200 feet from Guernsey street. The

filing also shows an extension of Selwyn street at its present width as far as South street.

From South street, at its junction with Conway street, a 40-foot street is suggested along the location of the West Roxbury Branch Railroad, as far as the Arnold Arboretum. Conway street is extended north-easterly to meet an extension of Mendum street.

A widening is provided, in the plan filed, for Centre street to 80 feet; of Church street to 60 feet, the widening being upon the westerly side, and one for Walter street to 60 feet.

The two sections, Z 65 and Z 75, lie partly in Plan 10 and partly in Plan 11, bisected by the West Roxbury Branch of the New York, New Haven and Hartford Railroad.

In the portion in Plan 11, the filing shows the introduction of a 40-foot street from Centre street to Railroad street, substantially in line with Maple street extended; and another street of the same width, as an extension of Hastings street, from Centre street to Railroad street. An extension is shown of Bellevue street at its present width across Centre street, continuing to Montview street, dividing longitudinally the block of undeveloped land lying between Park street and Mt. Vernon street.

Two 40-foot streets are shown as connecting Centre street with an extension of Pleasant street. Jordan street is extended to Mt. Vernon street. A slight widening in places is provided for Mt. Vernon street on its westerly side, simply to make its width uniform, and its lines symmetrical for its entire length. Centre street, as before mentioned, is here, as elsewhere, made 80 feet in width.

A slight widening is shown for Corey street, on its north-easterly side, from Centre street, north-westerly, making it 50 feet wide. A widening is shown for Henshaw terrace, to make it a 40-foot street.

One hearing was held during the year on this plan in conjunction with Plan 10, under authority of Chapter 210 of the Acts of the Legislature of 1898, on February 9, 1900, and was on territory shown on Sections Z 57, Z 63, Z 64, Z 78, Z 79, Z 81, Z 82 and Z 100, and was in relation to the change of the line of widening of Beech street, from the north-easterly side to the south-westerly side of the street.

The plans showing these changes have not yet been filed.

The following is a statement of the work done during the year :

Plan from actual survey of one section, Y 51; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, Z 60; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, Z 59; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, Z 58; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, Z 65; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, Z 75; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Ten sectional plans of parts of Sections Y 34, Y 48, Y 49, Y 51, Y 52, Z 58, Z 59, Z 60, Z 65 and Z 75 ; size, of each 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 4, 1901 with the City Engineer.

Two sectional plans of parts of Sections Y 47 and Y 53 ; size of each, 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 31, 1901 with the City Engineer.

In this territory of about 218.10 acres covered by the above plans there are comprised :

Public streets :

Number of streets	21
Length	19,050 ft. = 3.61 miles
Area	954,050 sq. ft. = 21.90 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	40
Length	26,660 ft. = 5.05 miles
Area	962,900 sq. ft. = 22.10 acres

Totals :

Number of streets	57
Length	39,570 ft. = 7.49 miles
Area	1,773,950 sq. ft. = 44.01 miles

Percentage of above area absorbed by all streets, old and new 24.96%.

Plans and profiles completed showing grades of the following streets :

Guernsey street, from Centre street to South street.

Street No. 1598, from Centre street to Corey street.

Street No. 1674, from Centre street to Railroad street.

Rhoda street, from Central street west.

Street No. 1694, from Central street to Street No. 1807.

Street No. 1785, from Centre street to Street No. 1692.

Street No. 1788, from South street to Street No. 1789.

Bradford terrace, from South street, to Centre street.

Bradford avenue, from South street to 25,000 feet south of State House.

Street No. 1806, from Centre street to West Roxbury Branch Railroad.

Street No. 1807, from South street to Street No. 1694.

South Walter street, from South street to South Fairview street.

Brookfield street, from South street to South Fairview street.

Robert street, from South street to Brandon street.

South Conway street, from South street to South Fairview street.

Street No. 1811, from Conway street to Street No. 1014.

Proctor street, from Walter street, to Fairview street.

Street No. 1816, from South street to Arnold arboretum.

Street No. 1817, from Tappan street to Fairview street.

Street No. 1867, from Centre street to Church street.

Street No. 1868, from Centre street to Church street.

Grade plan of Sections Y 34, Y 47; Y 48, Y 49, Y 51, Y 52, Y 53, Z 58, Z 59, Z 60, Z 65, Z 75; scale, $\frac{1}{1000}$. (Completed.)

Plan showing contours at every 5 feet of Sections Z 18, Z 19, Z 20, Z 21, Z 22, Z 23, Z 38, Y 10, Y 11, Y 12, Y 13, showing territory bounded by Allandale street, Centre street, West Roxbury Parkway, Weld street, Church street and Town of Brookline; size, 15 feet by 5 feet; scale, 40 feet to an inch. (Completed.)

In connection with the sectional and other plans enumerated above the following work has been done:

Number of titles looked up	178
Number of conveyances copied	76
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	15

PLAN 12.

All the work done during the year on this section was on territory lying upon its extreme south-westerly border, and was done in conjunction with that in Plan 11; and as that plan embraced the greater part of it the description in detail of the studies made in the field and of the actual work filed will be found under the heading of that plan.

The following is a statement of the work done during the year:

Plan from actual survey of two sections, Y 34 and Y 47; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, Y 48 and Y 53; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, Y 49 and Y 52; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

One sectional plan of Section Y 34; size, 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades.) This plan was approved by the Mayor, and filed January 4, 1901, with the City Engineer.

Two sectional plans of parts of Sections Y 47 and Y 53; size of each, 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 31, 1901, with the City Engineer.

In this territory of about 33.85 acres covered by the above plan there are comprised:

Public streets:

Number of streets	.	.	.	.	.	3
Length	.	.	.	.	3,330 ft.	= 0.63 miles
Area	.	.	.	.	140,700 sq. ft.	= 3.23 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	4
Length	.	.	.	.	2,360 ft.	= 0.45 miles
Area	.	.	.	.	94,400 sq. ft.	= 2.17 acres

Totals:

Number of streets	.	.	.	.	.	6
Length	.	.	.	.	4,710 ft.	= 0.89 miles
Area	.	.	.	.	235,100 sq. ft.	= 5.40 acres

Percentage of area of above territory absorbed by all streets old and new, 16%.

Plan and profiles completed showing grades of the following streets :

Lindall street, from Washington street to Lindall street.

South street, from Washington street to Bussey bridge.

Street No. 1821, from South street to South street.

Street No. 1822 from street No. 1823 to 25,000 feet south of State House.

Street No. 1823, from Washington street to Street No. 1822.

Grade plan of Sections Y 34, Y 47, Y 53; scale, $\frac{1}{1000}$. (Completed.)

In connection with the sectional and other plans enumerated above the following work has been done :

Number of titles looked up 14

PLAN 13.

Quite an amount of work was done in the territory shown under this head, several parties being continued in the field throughout the year, at different points.

Section S 22 represents territory which is bounded approximately by Centre street, Day street, Minden street, and Walden street.

Here no attempt whatever was made at new development or the introduction of new streets for the purpose of subdivision, and the work was confined to arranging the old lines and developing the grades of the existing streets, nearly all of which are public.

Section S 44 shows a territory located farther along within the limits of West Roxbury, having for its southeasterly boundary, Centre street, and extending westwardly, the land sloping gradually in that direction toward the Jamaica way.

The ownership of this territory is confined almost entirely to one estate, that of the late Joseph H. Curtis, and is admirably adapted for building purposes. The system of streets shown on the plan filed is one which is satisfactory in every way to nearly all concerned.

It consists of a series of 40-foot streets, parallel with Lochstead avenue, departing from Centre street at intervals of about 200 feet, one terminating at the Jamaica way, while the other ends at a lateral street which extends from Perkins street to Lochstead avenue; while still another intersecting street, nearly parallel with it, continues onward to Lakeville place. This

section also shows the termination of the proposed 70-foot extension of South Huntington avenue over Catalpa street and across Perkins street to Centre street.

This plan also shows a widening of Centre street to 80 feet.

Seven sections were filed, representing a territory bounded substantially by Columbus avenue, Washington street, Townsend street, Walnut avenue, Bower street, Humboldt avenue and Seaver street. This locality, which is one of the best within the City limits, has been largely developed, and is in places quite compactly settled. There was little to be done in the way of development, except in an amplification of the existing system, which the filed plans show.

An extension of Howland street is shown from where it now terminates, at a point about a thousand feet west of Humboldt avenue, to Harold street, parallel with and about 175 feet from Wentworth street.

An extension of Waumbeck street, at a width of 40 feet, to Walnut avenue, while about 165 feet from and parallel with this extension is located another 40-foot street, which is in line with Westminister avenue.

In order to develop a portion of the deep block of land lying between Cobden street and Westminister avenue a new street 40 feet wide has been introduced at a distance of about 250 feet from Walnut avenue, to connect these streets.

Townsend street is shown widened to 60 feet, and, as shown on the plan, the widening is principally on the southerly side of the street.

Sherwood Park, a 25-foot street, departing from Columbus avenue just east of Weld street, is provided with a 5-foot widening for the westerly side, and at this added width is extended to Walnut park.

Walnut avenue, from Crawford street to Columbus avenue, is shown widened to a width of 60 feet, the widenings between these points being entirely on the easterly side.

Under authority of chapter 210 of the Acts of the Legislature of 1898, a hearing was held on May 11, 1900, on territory shown on Section S 37, and was in relation to the relocation of Street No. 902 (proposed extension of Catalpa street) from a diverted line to a direct line from Perkins street to Centre street at a width of 60 feet.

The plan showing these changes has not yet been filed.

Under authority of chapter 210 of the Acts of the Legislature of 1898 a hearing was held on July 13, 1900, in relation to a widening of South Huntington avenue and Catalpa street, and the extension of the latter in a practically direct line from Perkins street to Centre street, with an increase in width of both Huntington avenue and Catalpa street, from 60 feet to 70 feet, from Heath street to Centre street.

The plans showing these changes were filed November 6, 1900.

The following is a statement of the work done during the year :

Plan from actual survey of one section, S 19; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, S 44; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, T 52 and T 69; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, T 67 and T 68; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, T 47 and T 48; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, T 53 and T 54; size, 9 feet by 5 feet; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, S 22; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Plan from actual survey of one section S 38; size, 5 feet by 5 feet; scale, $\frac{1}{250}$. (In progress.)

Five sectional plans of Sections T 47, T 48, T 54, T 68 and T 69; size of each, 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades). These plans were approved by the Mayor, and filed January 4, 1901, with the City Engineer.

Four sectional plans of Sections S 22, S 44, T 52 and T 53; size of each 4 feet by 4 feet; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 31, 1901, with the City Engineer.

In this territory of about 206.64 acres covered by the above plans there are comprised:

Public streets:

Number of streets	.	.	.	.	.	39
Length	.	.	.	.	36,355 ft.	= 6.88 miles
Area	.	.	.	.	1,607,200 sq. ft.	= 36.89 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	22
Length 12,390 ft.	= 2.34 miles
Area 379,600 sq. ft.	= 8.71 acres

Totals:

Number of streets	59
Length 43,925 ft.	= 8.32 miles
Area 1,986,800 sq. ft.	= 45.60 acres

Percentage of above area absorbed by all streets, old and new, 22.07%.

Plans and profiles completed showing the grades of the following streets:

Ashworth park, from Walnut park to Columbus avenue.
Crestwood park, from Munroe street to Townsend street.

Dennison street, from Walnut avenue to Harrishof street.

Elbert street, from Humboldt avenue to Hazelwood street.

Haley street, from Dennison street to Harrishof street.

Harrishof street, from Dennison street to Walnut street.

School street, from Walnut avenue to School-street place.

Walnut avenue from Seaver street to Harold street.

Street No 1213, from Walnut avenue to Crawford street.

Street No. 1223, from Walnut avenue to Crawford street.

Street No. 1233, from Dennison street to Codman park.

Street No. 1240, from Cobden street to Westminster avenue.

Street No. 1346, from Lochstead avenue to Street No. 1504.

Street No. 1505, from Centre street to Street No. 1503.

Street No. 1506, from Lochstead avenue to Street No. 1504.

Street No. 1507, from Centre street to Street No. 1346.

Street No. 1518, from Boylston avenue to Street No. 1519.

Street No 1521, from Centre street to Street No. 1517.

Grades revised or fixed on the whole or parts of the following streets :

Abbotsford street, from Walnut avenue to Harold street.

Arklow street, from Gay Head street to Walden street.

Barbara street, from South Huntington avenue to Centre street.

Basswood street, from South Huntington avenue to Crawford street.

Bower street, from Walnut avenue to Humboldt avenue.

Bynner street, from Crawford street to Jamaica way.

Castleton street, from South Huntington avenue to Zamora street.

Centre street, from Creighton street to Walden street.

Cobden street, from Walnut avenue to Dunford street.

Columbus avenue, from Walnut avenue to Ashworth park.

Crawford street, from Walnut avenue to Humboldt avenue.

Creighton street, from Centre street to Day street.

Day street, from Creighton street to Minden street.

Edge Hill street, from Round Hill street to Gay Head street.

Elmore street, from Walnut avenue to Mayfair street.

Evergreen street, from South Huntington avenue to Crawford street.

Floyd street, from South Huntington avenue to Crawford street.

Gay Head street, from Centre street to Minden street.

Harold street, from Walnut avenue to Seaver street.

Harrishof street, from Walnut avenue to Warren street.

Hollander street, from Humboldt avenue to Crawford street.

Holworthy street, from Humboldt avenue to Walnut avenue.

Homestead street, from Elm Hill avenue to Walnut avenue.

Howland street, from Harold street to Humboldt avenue.

Humboldt avenue, from Hutchings street to Walnut avenue.

Hutchins avenue, from Day street to Street No. 1097.

Hutchings street, from Harold street to Street No. 1342.

Laurel street, from Humboldt avenue to Ottawa street.

Lochstead avenue, from Centre street to Street No. 1503.

Minden street, from Schiller street to Walden street.

Mozart street, from Centre street to Bolster street.

Munroe street, from Walnut avenue to Hazelwood street.

Perkins street, from Centre street to Zamora street.

Round Hill Street, from Day street to Walden street.

Ruthven street, from Walnut avenue to Elm Hill avenue.

Schiller street, from Minden street to Mansur street.

Seaver street, from Walnut avenue to Street No. 1342.

South Huntington avenue, from Centre street to Heath street.

Spring Park avenue, from Centre street to Street No. 1517.

Sunnyside street, from Creighton street to Centre street.

Townsend street, from Codman park to Hazelwood street.

Wabeno street, from Waumbeck street to Wyoming street.

Walden street, from Minden street to Heath street.

Walnut avenue, from Columbus avenue to School street.

Walnut Park, from Walnut avenue to Washington street.

Waumbeck street, from Crawford street to Wabeno street.

Westerly street, from Centre street to Sunnyside avenue.

Westminster avenue, from Walnut avenue to Washington street.

Wyoming street, from Humboldt avenue to Warren street.

Street No. 1346, from Lochstead street to Street No. 1507.

Street No. 1095, from South Huntington avenue to Jamaicaway.

Street No. 1502, from South Huntington avenue to Street No. 1346.

Grade plan of Sections S 22, S 44, T 47, T 48, T 52, T 53, T 54, T 68, T 89 ; scale, $\frac{1}{1000}$. (Completed.)

In connection with the sectional and other plans enumerated above the following work has been done:

Number of titles looked up	432
Number of conveyances copied	654
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	92

PLAN 14.

A part of the result of the year's work on this plan is shown on the five sections which were filed, showing a continuation of the development of the territory in the vicinity of that part of Dorchester known as Meeting House Hill. With Eaton square for its northernmost point, it reaches southerly as far as Arcadia street, and has Adams street for its approximate easterly boundary, and Draper street, with an extension of the latter, for its westerly limit. From Richfield street are shown widenings of Davidson avenue and Richfield Park, to a width of 40 feet, with extensions westerly.

A 40-foot street is projected from Norton street to Olney street, which is substantially parallel with and about 170 feet distant from Richfield street. Upon Mount Ida, the street bearing that name, is shown extended to Homes avenue, and from it, at intervals of about 200 feet, depart four 40-foot streets, ending at Percival street.

It is intended to widen Percival street to 40 feet, and to extend it beyond Homes avenue, where it will unite with an extension of Homes avenue, the two streets lying practically 187 feet apart, and being brought together by a curve of 93.50 feet radius; from the centre of the curve is projected an outlet for both of these streets, in the shape of a 45-foot street to Robinson street.

Fox street, it is proposed to widen to 40 feet; Williams park, from East street, just east of Adams street, will be made 35 feet in width.

The two small courts named Arcadia place and Arcadia terrace, running southerly from Arcadia street, will be utilized as streets, both being made 30 feet wide, and the westerly one, Arcadia place, extended to Charles street. A new street is projected, 40-foot wide, leaving Dorchester avenue at its junction with Adams street and running south-westerly between Arcadia street and Charles street to Arcadia place, thus providing an outlet for Arcadia terrace.

The following is a statement of the work done during the year :

Plan from actual survey of two sections, T 81 and T 82 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of two sections, U 90 and U 91 ; size, 9 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Plan from actual survey of one section, W 10 ; size, 5 feet by 5 feet ; scale, $\frac{1}{250}$. (Completed.)

Three sectional plans of Sections T 81, U 91 and W 10 ; size of each, 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 4, 1901, with the City Engineer.

Two sectional plans of Sections T 82 and U 90 ; size of each, 4 feet by 4 feet ; scale, $\frac{1}{250}$. (Complete with grades.) These plans were approved by the Mayor, and filed January 31, 1901, with the City Engineer.

In this territory of about 114.80 acres covered by the above plans there are comprised :

Public streets :

Number of streets	30
Length	18,190 ft. = 3.45 miles
Area	692,580 sq. ft. = 15.89 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	28
Length	10,250 ft. = 1.94 miles
Area	380,000 sq. ft. = 8.72 acres

Totals :

Number of streets	56
Length	27,410 ft. = 5.19 miles
Area	1,072,580 sq. ft. = 24.61 acres

Percentage of above area absorbed by all streets, old and new, 21.43%.

Plans and profiles completed showing grades of the following streets :

Arcadia place, from Arcadia street to Charles street.

Arcadia terrace, from Arcadia street to Street No. 1859.

Barry street, from Clarkson street to Barry street.

Branch avenue, from Arcadia street to Ditson street.

Clarkson street, from Hamilton street to Barry street.

Coleman street, from Quincy street to Draper court.

Davidson avenue, from Richfield street to Olney-street place.

Hancock street, from Adams street to Downer court.

Highland street, from East street to High street.
Homes avenue, from Adams street to Mt. Ida road.
Homes street, from Fox street to Homes avenue.
Richfield park, from Richfield street to Olney street place.
Robinson avenue, from Robinson street to Homes avenue.
Williams park, from East street to Hecla street.
Winter street, from Church street to Hancock street.
Street No. 1837, from Robinson street to Homes avenue.
Street No. 1838, from Fox street to Adams street.
Street No. 1859, from Dorchester avenue to Arcadia place.
Street No. 1987, from Homes avenue to Street No. 1837.
Street No. 1988, from Bowdoin street to Coleman street.

Grades revised or fixed on the whole or portions of the following streets :

Adams street, from Dorchester avenue to Hancock street.
Arcadia street, from Adams street to Draper street.
Barry street, from Richfield street to Quincy street.
Bellevue street, from Hamilton street to Kane street.
Bowdoin street, from Hancock street to Norton street.
Charles street, from Dorchester avenue to Arcadia place.
Church street, from Adams street to High street.
Clarkson street, from Hamilton street to Quincy street.
Coleman street, from Hamilton street to Quincy street.
Corwin street, from Westville street to Arcadia street.
Draper street, from Bowdoin street to Arcadia street.
East street, from Winter street to Highland street.
Ellet street, from Adams street to Dorchester avenue.
Fox street, from Adams street to Percival street.
Hamilton street, from Bowdoin street to Mt. Everett street.
Hecla street, from Adams street to Dorchester avenue.
Linden street, from Adams street to Dorchester avenue.
Lyon street, from Adams street to Dorchester avenue.
Montello street, from Arcadia street to Robinson street.
Mt. Ida road, from Bowdoin street to Street No. 1834.
Norton street, from Bowdoin street to Richfield street.
Parish street, from Winter street easterly.
Percival street, from Fox street to Bowdoin street.

Potosi street, from Percival street to Mt. Ida road.
Quincy street, from Bowdoin street to Clarkson street.
Richfield street, from Olney street to Puritan avenue.
Robinson street, from Adams street to Draper street.
Westville street, from Corwin street to Ditson street.
Winter street, from Adams street to Church street.
Street No. 964, from Robinson avenue to Draper street.
Street No. 1831, from Olney street to Norton street.
Street No. 1834, from Mt. Ida road to Percival street.
Street No. 1835, from Mt. Ida road to Street No. 1837.
Street No. 1836, from Mt. Ida road to Street No. 1837.

Grade plan of Sections T 81, T 82, U 90, U 91 and W 10; scale, $\frac{1}{1000}$. (Complete.)

In connection with the sectional and other plans enumerated above, the following work has been done:

Number of titles looked up	78
Number of conveyances copied	183
Number of plans copied from Suffolk and Norfolk Registries and elsewhere	12

ADDITIONAL HEARINGS.

The following is a list of additional hearings on changes to be made on filed plans, under authority of chapter 210 of the Acts of the Legislature of 1898.

PLAN 3.

A hearing was held on December 7, 1900, on Section W 90 in relation to the elimination of Street No. 343, leading from Magdala street, and the substitution therefor of Carnac street.

The plans showing this change have not yet been filed.

PLAN 6.

A hearing was held on May 25, 1900, on Sections X 82, X 83, X 84, X 85, X 96, X 97, X 98, X 99 and was in relation to the straightening of Street No. 559, the introduction of a new street between and parallel with it and Street No. 560; a relocation of a portion of Street No. 562; an extension of Druid street northerly across Codman street, to Street No. 559, and relocation of portion of the latter; a widening of Codman street, from Morton street to Dorchester avenue, to a width of 80 feet; the introduction of a new street, 200 feet east

of and parallel with Oakridge street; relocation of Streets No. 556, No. 558, No. 585; abandonment of Street No. 891 and No. 892, and the introduction of substitute streets, at intervals of 150 feet from Street No. 890, and relocation of Street No. 894.

The plans showing these changes have not yet been filed.

NEW STANDARD OF MEASUREMENT.

For many years there had existed in Boston a standard, used by Civil Engineers, Surveyors and others, for the purpose of testing their tapes.

This standard consisted of brass plugs placed at 0, 50 feet and 100 feet in the granite stones forming the sidewalk in front of the northerly side of City Hall, in Court square.

An account in detail of the history of the establishment of this standard can be found on page 33 of the report of the Street Laying-Out Department for 1896.

The accuracy of this standard had from time to time been questioned, but it has now been determined to be of sufficient accuracy for all ordinary work.

Appreciating the value of possessing a correct standard and considering the accurate character of the work now being carried on by the Engineering Division of this Department, under the Board of Survey Act, it seemed imperative that some means should be taken to have the accuracy of the present standard established beyond question, or a new one adopted by the City. The latter conclusion was the one arrived at, and consequently, early in 1898, two steel bars, each one and one-half inches wide, one-quarter of an inch thick, one being 102 feet long, and the other 51 feet long, were ordered of the Washburn Moen Manufacturing Company, of Worcester, Mass.

These bars were delivered to the Department in November, 1898, having been transported from Worcester to Boston, in their straight normal condition over the Boston and Albany Railroad, upon three flat cars, to the station in Boston, and thence in the hands of sixteen of the men of this Department, carried to Court square and placed in the covered wooden box, which had been prepared there to receive them, at the westerly side of the Old Court House, on November 4, 1898.

These bars were allowed to remain there for a time, at rest, to permit them to resume a condition as near normal as possible. Later, silver plugs were inserted by C. L. Berger & Sons, instrument makers, of Boston, for graduating purposes, and in May, 1900, the bars were both marked under the direction of the Superintendent of the United States Coast and Geodetic Survey, by Mr. Louis A. Fischer.

The authorities at Washington concede this standard to be the most satisfactory and accurate of any in the United States.

It is intended to place an apparatus in the standard box for the purpose of drawing the tapes through the same and for stretching them.

The following correspondence relating to the work of marking the bars will explain itself:

[Copy.]

WASHINGTON, July 13, 1900.

MR. F. O. WHITNEY, *Chief of Surveying Division,
Street Commissioners' Office, Old Court House,
Boston, Mass.:*

SIR,—I have to transmit herewith the report of Mr. L. A. Fischer, of this office, upon the graduation and comparison of your 100-foot and 30-metre Bench Standard.

Yours respectfully,

(Signed)

ANDREW BRAID,

Acting Superintendent.

[Enclosure.]

[Copy.]

WASHINGTON, July 11, 1900.

DR. H. S. PRITCHETT, *Superintendent, U.S.C. & G.
Survey, and of Standard Weights and Measures,
Washington, D.C.:*

SIR,—I have the honor to submit herewith a report on the graduation and verification of the 100-foot and 30-metre Bench Standard belonging to the Street Commissioners' office, Boston, Mass.

In accordance with your instructions, I left Washington on May 15, and arrived in Boston the following morning at 7 o'clock. I at once reported my presence at the Street Commissioners' office in the Old Court House, where I found that all the necessary preparations had been made for taking up the work.

In a short time the 10-foot standard bar and the other apparatus shipped from this office were unpacked and the work was begun.

The Bench Standard is adjacent to the west side of the Old Court House Building, and is protected from the sun during the forenoon and after 3 or 4 P.M. While the bar and its support are continuous the fact that stone stairs, leading into the building at two points, passed immediately over the standard, interfered somewhat with the progress of the work.

The Bench Standard had large silver plugs inserted at zero, 10 feet, 50 feet, and 100 feet, and at 1 metre and 30 metres,—in all, six (6) plugs. The surface of the Bench Standard was also polished at intervals of 10 feet and 3 metres, to carry temporary graduation.

The 10-foot graduating and comparing bar was graduated as follows: 1, 2, 3, 6, 9 and 10 feet, and 1, 2 and 3 metres. The value of these graduations were carefully determined by comparison with the standards of this office before the bar was shipped to Boston; and after its return to Washington additional comparisons were made to check the first.

The graduating of the Bench Standard was done as follows: The vernier of the tracer, which moved along the 10-foot standard and could be clamped at will, was brought into coincidence with the zero of the 10-foot bar. Then the whole bar was adjusted so that the line ruled by the tracer would cross the centre of the zero plug of the Bench Standard. Without disturbing the bar the tracer was next moved until the vernier coincided with 1 metre, and later to the 3 metre and 10 feet graduation of the 10-foot bar, lines being ruled with the tracer at each stop. A sliding microscope, which could also be clamped anywhere on the 10-foot bar, was then clamped at the zero end of the bar, without disturbing the same, and the cross lines of the microscope were carefully set upon the first lines ruled. The whole 10-foot bar was next slid along until the cross wires of the microscope bisected the 3 metre line ruled upon the Bench Standard. The 10-foot bar had thus been moved the distance between its 3 metre graduations, and by setting the vernier of the tracer upon the 3 metre line and ruling a line on the 100-foot bar we had twice the distance between the 3 metre lines of the standard bar. The 10-foot bar was then shifted until the cross wires of the microscope, which had not been disturbed,

bisected the line ruled upon the 100-foot bar at the 10-foot point; the tracer moved until the vernier coincided with the 10-foot line of the standard; and a new line was then ruled upon the 100-foot bar at 20 feet from the end. This procedure was continued until the total spaces of 100 feet and 30 metres were laid off; the former into 10-foot and the latter into 3-metre intervals. The graduation was interrupted at noon, when half the Bench Standard had been ruled, by the sun shining upon the apparatus, and the graduating was discontinued until about 6 o'clock, when it was again taken up and completed. The whole of the graduation was therefore done in one day.

The next morning the comparison of the 10-foot and 3-metre spaces was made with the corresponding divisions of the 10-foot bar. It was my intention at first to make the graduations of the 10-foot bar coincide approximately with the divisions on the Bench Standard, and measure the disagreements at both ends by means of a micrometer microscope which could be shifted from end to end of the bar for that purpose. This proved to be a rather slow and laborious operation, and the zero graduation of the 10-foot bar, when measuring in the reverse direction, were made to agree, as closely as could be determined with the aid of a pocket magnifying glass, while the discrepancies between the lines on the Bench Standard and 10-foot standard at the opposite end of the 10-foot bar were measured with the micrometer microscope.

One measure of the 100-foot and one of the 30-metre spaces were made in the morning, with the temperature slowly rising, while the other two measures were made in the opposite direction in the afternoon, with the temperature slowly falling. The conditions were favorable for good work, the sky being overcast all day and the temperature quite constant, but nevertheless the accordance of the two measures was rather astonishing, the measures of the 100-foot space differing by $\frac{9}{100000}$ of an inch, while the two measures of the 30-metre space differed by $\frac{10}{100000}$ of an inch, or $\frac{25}{10000}$ mm. In both cases the disagreement is less than one part in a million.

A 100-foot steel tape, which had been carefully compared a number of times with the United States Bench Standard in Washington, was next compared with the 100-foot space, as a rough check on the comparisons

with the 10-foot bar, and as the length of the space as derived from the tape agreed within $\frac{3}{1000}$ of an inch with the value derived from the 10-foot bar the two measures with the 10-foot bar were deemed sufficient.

The next day lines were ruled upon a steel 50-foot bar made of the same material as the Bench Standard. As the intention is to use this to compare the two 50-foot intervals of the Bench Standard in case it is moved to some other location, no special care was taken to get the 50-foot space exact. A zero line was ruled at one end, and the position of the other line was determined within a few one-thousandths of an inch with the aid of the 100-foot steel tape referred to above. No comparisons of this bar were made with the 10-foot bar, and as the Street Commissioners' Office will be in a position to accurately determine the length of this bar in terms of their 100-foot bar as soon as the necessary comparing apparatus has been completed, no value will be given here. The graduation of the 50-foot bar was completed a few minutes before noon, just as it began to rain.

Upon my return to Washington the values of the graduations of the 10-foot bar were again determined in terms of our standards. These comparisons took much longer than I anticipated, and account for the delay in transmitting this report.

Using the mean of all comparisons of the 10-foot bar, the values found for the graduations of the 100-foot Bench Standard of the Street Commissioners' Office are as follows :

0 to 50.0 = 50 feet — 0.001 inch, at 62° F. $\pm$ 0.0015
 0 to 100 = 100 feet — 0.001 inch, at 62 F. $\pm$ 0.0020

METRE GRADUATION.

0 to 1 m. = 1 m. + 0.01 mm. at 0.0° Cent. $\pm$ 0.01
 0 to 30 m. = 30 m. — 5.89 mm. at 0.0° Cent. $\pm$ 0.20

The large correction to the metre space is due to the fact that this space was supposed, by those who placed the plugs, to be correct at 62 Fahr., instead of at 0.0 cent. Hence, the 30-metre plug was placed too near the 0 plug by $0.000011 \times 30,000 \times 16.67 = 5.501$ mm., if we assume the coefficient of expansion of the Bench Standard to be 0.000011 per degree centigrade. The result was that the 30-metre space, ruled as described

above, fell about 5.5 millimetres beyond the 30-metre plug, and another line had to be ruled upon the centre of the plug and the distance between the two lines determined by means of a steel millimetre scale, with the aid of the micrometer microscope referred to before.

In regard to the probable errors assigned to the spaces they are not the result of computation, but are estimated and, I believe, represent fairly the truth. Those for the foot graduation involve only the errors due to the comparison and to the graduations of the 10-foot rod, the mean temperature of comparison being, fortunately, very close to 62 F. The probable error assigned to the 30-metre space involves the two sources of error mentioned and, in addition, the error due to the assumed coefficient of 0.000011, used to reduce the observations from 62 F. (16.67 C.) to 0 C.

Many of the above details may appear unimportant at this time, but a history of the graduation and verification of this Standard may be of considerable interest in the future, and hence I have attempted, as detailed, an account as the time at my disposal would permit.

Respectfully submitted,

LOUIS A. FISCHER,

In charge of Office of Standard Weights and Measures.

SUMMARY OF WORK DURING THE YEAR.

Sectional plans completed, approved and filed during the year : 43 sections, O 12, O 28, O 29, O 30, S 22, S 44, T 47, T 48, T 52, T 53, T 54, T 68, T 69, T 81, T 82, U 8, U 90, U 91, W 10, X 42, X 43, X 58, X 59, X 62, X 63, X 78, X 79, Y 34, Y 47, Y 48, Y 49, Y 51, Y 52, Y 53, Z 58, Z 59, Z 60, Z 65, Z 75, Cc 8, Cc 12, Cc 13, Cc 29.

Territory covered by above plans 986.14 acres.

Public streets :

Number of streets	149
Length	119,985 ft. = 22.72 miles
Area	5,447,420 sq. ft. = 125.04 acres

New streets established, private streets adopted and public streets, proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	177
Length	105,180 ft. = 19.91 miles
Area	3,844,790 sq. ft. = 88.26 acres

Totals :

Number of streets	308
Length	205,285 ft. = 38.87 miles
Area	9,149,210 sq. ft. = 213.31 acres

Percentage of area of above territory absorbed by all streets, old and new, 22.47%.

Plans from actual survey completed :

Number	20
Number of sections comprised	45
Area of sections comprised	987 acres
Scale	$2\frac{1}{50}$

Plans from actual survey in progress :

Number	15
Number of sections comprised	27
Area of sections comprised	621.0
Scale	$2\frac{1}{50}$

Plans and profiles showing grades completed :

Number of streets	221
Scale	$2\frac{1}{50}$ and $\frac{1}{50}$

Plans showing contours at every one foot completed :

Number of plans	2
Number of sections comprised	12
Area of section comprised	161.72 acres
Scale	40 feet to an inch

In connection with the sectional and other plans enumerated above, completed and in progress, the following work has been done :

Number of titles looked up	2,244
Number of conveyances copied	1,279
Number of plans copied from Suffolk Registry and elsewhere	220

Summary of all surveying work done under Chapter 323 of the Acts of 1891, and amendments thereto, to February 1, 1901.

Preliminary plans completed :

Number	14
Numbers, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14	

Area 20,621 acres
 Sizes, 11 ft. 6 in. by 8 ft. 9 in. ; 12 ft. 3 in. by 5 ft. ;
 14 ft. by 10 ft. ; 16 ft. 6 in. by 10 ft. ; 10 ft. by 8
 ft. ; 9 ft. by 5 ft. ; 11 ft. by 10 ft. ; 20 ft. by 10 ft. ;
 8 ft. 6 in. by 7 ft. ; 17 ft. by 10 ft. ; 20 ft. by 10 ft. ;
 18 ft. by 10 ft. ; 15 ft. 6 in. by 10 ft. ; and 16 ft.
 6 in. by 10 ft. ; scale, 50 ft. to an inch, and $\frac{1}{1000}$.

Public streets :

Number of streets 811
 Length 1,167,631 ft. = 221.14 miles

Private streets :

Number of streets 1,012
 Length 501,401 ft. = 94.96 miles

Estates :

Number of estates 22,094

Working plans completed :

Number 1
 Size 16 ft. by 7 ft.
 Scale 50 ft. to an inch

Plans from actual survey completed :

Number 232
 Number of sections 490
 Area of sections comprised 9,589.14 acres
 Scale $\frac{1}{250}$

Plans from actual survey completed of territory :

Number 6
 Number of sections comprised 90
 Area of sections comprised 1,681.01 acres
 Scale $\frac{1}{1000}$

Sectional plans completed, approved and filed :

Number of plans 462
 Size of each 4 ft. by 4 ft.
 Scale $\frac{1}{250}$

Territory covered by plans :

Area 9,296.68 acres

Public streets :

Number of streets 435
 Length 604,530 ft. = 115.40 miles
 Area 31,644,502 sq. ft. = 726.44 acres

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	1,410
Length	.	1,333,319 ft.	=	252.51 miles		
Area	.	54,566,718 sq. ft.	=	1,252.67 acres		

Totals:

Number of streets	.	.	.	.	.	1,759
Length	.	1,748,432 ft.	=	331.16 miles		
Area	.	86,068,220 sq. ft.	=	1,979.12 acres		

Percentage of area of above territory absorbed by all streets, old and new, 22.40 %.

Sectional plans completed, ready to file:

Number of plans	.	.	.	.	.	1
Size	.	.	.	.	.	4 ft. by 4 ft.
Scale	.	.	.	.	.	$\frac{1}{250}$

Territory covered by plan:

Area	.	.	.	.	.	5.24 acres
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Public streets:

Number of streets	.	.	.	.	.	1
Length	.	246 ft.	=	0.04 mile		
Area	.	39,360 sq. ft.	=	0.90 acre		

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891:

Number of streets	.	.	.	.	.	3
Length	.	932 ft.	=	0.18 mile		
Area	.	37,008 sq. ft.	=	0.85 acre		

Totals:

Number of streets	.	.	.	.	.	3
Length	.	1,178 ft.	=	0.22 mile		
Area	.	76,368 sq. ft.	=	1.75 acre		

Totals of sectional plans filed and ready to file:

Number of plans	.	.	.	.	.	463
Size of each	.	.	.	.	.	4 ft. by 4 ft.
Scale	.	.	.	.	.	$\frac{1}{250}$

Territory covered by plans:

Area	.	.	.	.	.	9,301.92 acres
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Public streets :

Number of streets	.	.	.	.	.	463
Length	.	.	604,776 ft.	=	115.44 miles	
Area	.	.	31,683,862 sq. ft.	=	727.34 acres	

New streets established, private streets adopted and public streets proposed to be widened under chapter 323 of the Acts of 1891 :

Number of streets	.	.	.	.	.	1,413
Length	.	.	1,334,251 ft.	=	252.69 miles	
Area	.	.	54,603,726 sq. ft.	=	1,253.52 acres	

Totals :

Number of streets	.	.	.	.	.	1,762
Length	.	.	1,749,610 ft.	=	331.38 miles	
Area	.	.	86,144,588 sq. ft.	=	1,980.87 acres	

Percentage of area of above territory, exclusive of parks, rivers, etc., absorbed by all streets, old and new, 22.41%.

Streets located and relocated on sectional plans completed, approved and filed :

Length	.	.	1,748,432 ft.	=	331.16 miles
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Streets located and relocated on sectional plans completed, ready to file :

Length	.	.	1,178 ft.	=	0.22 mile
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Index plans completed :

Number of plans	.	.	.	.	.	2
Size	.	.	.	.	.	4 ft. by 4 ft.
Scale	.	.	.	.	.	$\frac{1}{1000}$ and $\frac{1}{1500}$

Grade plans of whole territories completed :

Number of plans	.	.	.	.	.	2
Number of sections comprised	.	.	.	.	.	25
Area of sections comprised	.	.	.	.	.	237.75 acres
Scale	.	.	.	.	.	$\frac{1}{1000}$

Grade plans showing sections :

Number of plans	.	.	.	.	.	17
Number of sections completed	.	.	.	.	.	463
Area of sections completed	.	.	.	.	.	9,263.63 acres
Scale	.	.	.	.	.	$\frac{1}{1000}$

Revised grade plan showing sections :

Number of plans	2
Number of sections completed	15
Area of sections completed	226.84 acres
Scale	$\frac{1}{1000}$

Plans showing contours at every 5 feet, completed:

Number of plans	6
Number of sections comprised	64
Area of sections comprised	1,201.87 acres
Scale	40 ft. to an inch and $\frac{1}{1000}$

Plans showing contours at every foot, completed:

Number of plans	8
Number of sections comprised	38
Area of sections comprised	769.21 acres
Scale	$\frac{1}{250}$

Plans showing contours at every foot, completed:

Number of plans	1
Number of sections comprised	1
Area of sections comprised	22.96 acres
Scale	20 ft. to an inch

Plans showing contours at every foot, completed:

Number of plans	36
Number of sections comprised	213
Area of sections comprised	3,697.08 acres
Scale	40 ft. to an inch

Plans showing contours at every 2 feet, completed:

Number of plans	1
Number of sections comprised	3
Area of sections comprised	68.87 acres
Scale	40 ft. to an inch

Conveyances copied and titles looked up:

Number	26,928
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Plans copied from Suffolk and Norfolk Registries:

Number	3,605
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Stone monuments set in districts covered by Plans 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13 for use in determination of position and location of street lines:

Number of monuments	303
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Miscellaneous work includes tracings, estimates of areas by calculations, planimeter, etc., sketches and studies of different plats, etc.

LIST OF PLANS.

SURVEYING DIVISION IN STREET LAYING-OUT DEPARTMENT, JANUARY 31, 1901.

ROOMS 23 TO 27 INCLUSIVE, OLD COURT-HOUSE.

Indexed.	Classification.	Number of Plans.
On Wall, Room 27.....	Preliminary Plan 1 Back Bay Fens.....	1
“ “ “ 24.....	“ “ 2 Back Bay.....	1
“ “ “ 27.....	“ “ 3 Neponset	1
“ Frame “ 27.....	“ “ 4 Back Bay.....	1
“ Wall “ 26.....	“ “ 5 Central Dorchester.....	1
“ “ “ 23.....	“ “ 6 Lower Mills and Mattapan...	1
“ “ “ 27.....	“ “ 7 South Bay	1
“ Frame “ 25.....	“ “ 8 Brighton.....	1
“ Wall “ 27.....	“ “ 9 Part of Roxbury	1
“ Frame “ 27.....	“ “ 10 Part of West Roxbury	1
“ “ “ 25.....	“ “ 11 “ “ “ “	1
“ “ “ 27.....	“ “ 12 “ “ “ “	1
“ “ “ 27.....	“ “ 13 “ “ Roxbury and West Roxbury.....	1
“ Wall “ 25.....	“ “ 14 Grove Hall and Meeting House Hill.....	1
Vol. A.....	Miscellaneous plans of estates. Plans 1 and 2....	179
Vol. B.....	“ “ “ “ “ 3 “ 5....	310
Vol. C { Part 1.....	“ “ “ “ “ 4, 9 and 8..	249
“ { Part 2.....	“ “ “ “ “ 4, 9 “ 8..	327
Vol. D { Part 1.....	“ “ “ “ “ 10.....	116
“ { Part 2.....	“ “ “ “ “ 10.....	99
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“ { Part 2.....	“ “ “ “ “ 12, 13 “ 14,	364
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Vol. G { Part 1.....	“ “ “ “ “ 5, 6 “ 12,	268
“ { Part 2.....	“ “ “ “ “ 5, 6 “ 12,	158
Vol. H.....	“ “ “ “ “ 8.....	174
Vol. I.....	“ “ “ “ “ 13.....	138
Vol. J	“ “ “ “ “ 6 and 12....	42
Vol. K.....	“ “ “ “ “ 7.....	75
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	<i>Carried forward</i>	3,087

LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i>	3,087
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Vol. II.....	“ “	208
Vol. III.....	“ “	133
Vol. IV.....	“ “	67
Vol. V.....	“ “	10
Vol. VI.....	“ “	46
Case A	Miscellaneous plans, studies, etc.	50
Case E	Plans of streets approved by Street Commission- ers in Roxbury.....	63
“ “	Plans of streets approved by Street Commission- ers in Dorchester.....	188
“ “	Plans of streets approved by Street Commission- ers in West Roxbury.....	105
“ “	Plans of streets approved by Street Commission- ers in Brighton... ..	51
“ “	Plans of streets approved by Street Commission- ers in Charlestown	1
“ “	Plans of streets approved by Street Commission- ers in City Proper.....	2
“ “	Plans of streets approved by Street Commission- ers in South Boston	6
“ “	Plans of streets approved by Street Commission- in East Boston.....	12
Case DD	Miscellaneous plans, estates, etc.	60
Case EE.....	Miscellaneous deed plans, South Bay.....	109
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	T 19, 20—U 11, 12 U 9, 10—T 1, 2	2
	L 89, 90—M 81, 82, 83 L 91, 92—M 98, 99, 100	2
	S 4, I7 S 16, 25 S 24, 37	3
	S 18, 23 S 19, 22 S 36, 45	3
	U 28, 33 S 38, 43 S 44, 57	3
	T 3, 8 U 8, 13 U 29, 32	3
Case GG.....	T 40 T 21, 22 T 38, 39	3
	<i>Refiled Plans.</i>	
	M. 88, 99, 100 M 81, 82	2
	Plats of Plan 7, scale $\frac{1}{1000}$	3
	Index to “ “ “ “	1
	Plat of Plan 13, “ “	1
	<i>Carried forward</i>	4,363

LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i>	4,363
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	Ee 1, Ff 10 Ee 20, Ff 11 Ee 21, Ff 30	3
	Ff 8, 13 Ff 9, 12, 29 Cc 1, Dd 10	3
	W 65, 76, 85 W 72, 89, 92 W 73, 74, 75	3
	W 86, 87, 88 W 90, 91 W 93, 94, 95, 96	3
	M 46, 47, 48 M 53, 54, 55 Z 61, 80	3
	Z 62, 63 Z 64, 77 Z 76, 85	3
	Z 78, 79 Z 81, 100 Z 82, 99	3
	Z 83, 98 Z 84, 97 Ee 20, Ff. 11	3
	Y 90, 91 Cc 1, Dd 10 Cc 2, 3	3
Case HH.....	Plat of Plan 10, scale $\frac{1}{1000}$	1
	“ “ Plans 13 and 14 $\frac{1}{1000}$	1
	“ “ Parkway taking Plan 10.....	1
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	Sections. Sections. Sections.	
	T 31, 50, 51, T 47, 48 T 63, 64	3
	T 53, 54 T 55, 66 T 77, 78	3
	T 32, 49 T 52, 69 T 65, 76	3
	T 95, 96 T 84, 85 T 74, 78, 88	3
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	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	O 94, 95, 96, 97, R 6 X — 17	2
	W 55, 66 X 19, 20	2
	X 21, 22 X 18, 23, 38	2
	Miscellaneous plans, estates, etc.....	10
	Plats of Plan 8, scale, $\frac{1}{1000}$	4
KK.....	M 31 (part), 32 (part), 33 (part), 41 (part), 48, 49, 50, 51 (part), 60 (part)	1
	M 52, 53, 70, 51 (part), 60 (part).....	1
	M 28, 29, 30, 31 (part), 32 (part), 33 (part)..... } N 21, 22, 23, 39, 40, 41 (part), 42..... }	1
	M 66, 75, 86 M 67, 74, 87	2
	Plan 4, scale, $\frac{1}{1000}$ Y 98, 99, 100	2
	Dd 18, 19, 20 Dd 21, 22, Ee 30	2
	<i>Carried forward</i>	4,560

LIST OF PLANS. — *Continued.*

Indexed.	Classification.	Number of Plans.
	<i>Brought forward</i>	4,560
	<i>Plans from Actual Survey.</i>	
	Sections. Sections. Sections.	
	Ee 9, 10 Ee 11, 12	2
	Plans 6—12, two parts.....	2
Case KK.....	X 91, 92 Y 81, 82, X 90	2
	Dd 1, 2, 3 Dd 40, Ee 31, 32	2
	Back Bay Park and vicinity.....	1
	M 67 M 68, 69 M 70, N 61, 62, 63	3
	M 71, 72, 73 M 89, 90 N 5, 6	3
	N 11, 12 N 13, 14 N 15, 16, 17	3
	N 23, 24 N 25, 26 N 27, 28, 29	3
	O 40, N 31, 32, 33 N 59, 60 N 78, 79, 80	3
	N 81, 82, 83 O 1, N 10 O 17, 18	3
	O 19, 20 O 23, 24 N 30, O 21, 22	3
	O 27, 28 O 29, 30 O 31, 32	3
	O 33, 34 O 35, 36 O 37, 38	3
	O 39, 40 N 50, O 41 O 42, 43	3
Case LL.....	O 44, 45 O 46, 47 O 48, 49, 50	3
	O 52 O 53, 54 O 55, 56	3
	O 57, 58 N 51, O 59, 60 O 61, 62, 63	3
	O 64, 65 O 66, 67 O 68, 69	3
	O 73, 74 O 75, 76 O 77, 78	3
	O 83, 84, 85 O 87, 88 O 92, 93, 72, 89	3
	O 8, 9, 10 O 11, 12 O 6, 7	3
	O 15, 16 O 13, 14	2
	<i>Refiled Plans.</i>	
	O 83, 84, 85 O 87, 88, 89, 92, 93	2
	O 94, 95, 96, 97, R 6	1
	X 73, 68 Ee 3, 18, 23, X 83, 98	2
	X 84, 97, Ee 4, 17 X 86, 95, Ee 6, 15, 26	2
	X 69, 72—X 67, 74 X 87, 94, Ee 7, 14, 27	3
Case MM.....	X 32, 49, 52 X 85, 96, Ee 5, 16, 25	2
	Ee 2, 19, X 82, 99 X 30, 31—X 48, 53	3
	X 44, 57 X 50, 51 X 46, 55	3
	X 66, 75 X 65, 76 X 45, 56	3
	<i>Carried forward</i>	4,643

LIST OF PLANS. — *Continued.*

Indexed.	Classification.			Number of Plans.
	<i>Brought forward.....</i>			4,643
	<i>Plans from Actual Survey.</i>			
	Sections.	Sections.	Sections.	
Case MM.....	X 88, 89	X 70, 71	X 81, 100	3
	Y 21, 40	Y 41, 60	Y 61, 80	3
	X 34, 35, 36	X 64, 77	X 37, 38	3
	X 39, 40	X 41, 60	X 42, 50	3
	X 43, 58	X 47, 54	X 61, 80	3
	X 62, 79	X 63, 78		2
	Index Plans, — Plan 6, scale, $\frac{1}{1000}$			1
	Contour plan of Wellington Hill.....			1
	Miscellaneous rolled plans of estates			46
	<i>Plans from Actual Survey.</i>			
	Sections.	Sections.	Sections.	
Case NN.	W 33, 48	W 34, 47	W 49, 50	3
	Cc 3, 18	Cc 4, 17	Cc 5, 16	3
	Cc 14, 27, 34	Cc 19	Cc 24, 37	3
	Cc 25, 36	Cc 26, 35	Cc 45	3
	Cc 46, 55	Cc 6, 15	Cc 23	3
	Z 85, 96	Z 86, 95	Z 94, Cc 7	3
	Z 71, 90	Z 72, 89	Z 68, 73	3
	Z 88, 93	Cc 47, 54	Cc 67, 74	3
	Cc 66, 75	Cc 8, 13	Cc 28, 33	3
	Cc 48, 53, 68	Cc 11, 12	Cc 29, 30	3
	Z 24, 37	Z 48, 53	Z 25, 36	3
	Z 49, 52	Z 29, 32	Z 30, 31	3
	Z 44, 57	Z 35, 46	Z 47, 54	3
	Z 67, 74	Z 45, 56	Z 69	3
	Y 49, 52	Y 27, 28	Y 50, 51	3
	Y 30, 31	Y 29, 32	Y 33	3
	Z 18, 23, 38	Z 41, 60	Z 87	3
	Z 2, 19, 22	Z 50, 51	Z 42, 59	3
	Z 55	Z 39, 40	Z 20, 21	3
	Y 34, 47	Z 65, 66	Z 75	3
	Y 48, 53	Y 69, 72		2
	Miscellaneous tracings and blue prints.....			48
	Plans and Profiles showing grades.....			204
	<i>Carried forward.....</i>			4,992



ANNUAL REPORT
OF THE
TREASURY DEPARTMENT
FOR THE FINANCIAL YEAR 1900-1901.

CITY OF BOSTON, TREASURY DEPARTMENT,
CITY HALL, February 25, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston :

SIR, — I herewith transmit the annual report of the transactions of the Treasury Department, which includes the receipts and payments of the City of Boston and County of Suffolk for the financial year of 1900-1901, beginning February 1, 1900, and terminating January 31, 1901, with a statement of the debt of the City and the Sinking-Funds for the redemption of the same, and an exhibit of the yearly receipts and payments of the City of Boston and County of Suffolk, with the aggregate of the receipts and payments of the Sinking-Funds, for the period of nineteen years six and a half months, the length of time of the occupation of the office of City Treasurer of Boston by the undersigned; also an Appendix showing the Trust Funds in his custody.

Respectfully submitted,

ALFRED T. TURNER,
City Treasurer.

ANNUAL REPORT OF THE CITY TREASURER FOR THE
FINANCIAL YEAR 1900-1901 WHICH ENDED JANUARY 31,
1901.

Balance of Cash on hand February 1, 1900, brought from the financial year 1899-1900			\$5,117,633 84
RECEIPTS.			
Received during the year 1900-1901 on account of the City of Boston from:			
City Collector.....		\$24,672,389 15	
Board of Commissioners of Sinking-Funds:			
For Cancelling Water Debt.....	\$5,000,000 00		
For Redemption of Debt.....	3,485,000 00	8,485,000 00	
Temporary Loans, anticipation of Taxes:			
2 56-100%	\$1,000,000 00		
2 98-100%	500,000 00		
3%	1,850,000 00		
3 1/8%	570,000 00		
3 3-10%	1,500,000 00		
3 1/2%	1,000,000 00	6,420,000 00	
City Loans:			
Laying-out and Construction of Highways:			
3%	\$153,550 00		
3 1/2%	661,000 00		
	\$814,550 00		
Laying-out and Construction of Highways, Charlestown street, 3% ...	183,000 00		
	\$997,550 00		
Sewerage Loan, 3 1/2%	900,000 00		
School-houses, 3%	300,000 00		
Playgrounds, 3%	200,000 00		
Rapid Transit:			
Charlestown Bridge, 3 1/2%	200,000 00		
Bennington-street Sewer Damages, 3%	150,000 00		
Public Parks, 3 1/2%	130,000 00		
Various Municipal Purposes, January 5, 1901, 3%	74,500 00		
Rapid Transit, 3 1/2% ...	50,000 00		
Engine-house, Warren avenue, Completion of, 3%	27,000 00		
South Union Station, 3%	25,000 00		
Playgrounds Construction, 3%	25,000 00		
Public Parks Construction, 3%	25,000 00		
Atlantic-avenue Extension, 3%	25,000 00		
Sewerage Charges, Repayment of, 3%	15,000 00		
House of Reformation, Reconstruction of Buildings, 3 1/2%	10,000 00		
Normal School Building and Land, 3%	5,000 00		
Bath-house for Women, K-street Beach, 3%	4,500 00		
		3,163,550 00	
Water Works Fund Income		251,000 00	
Premium on Loans negotiated		140,328 64	
Interest on Bank Deposits:			
General Account	\$57,109 63		
Franklin Trades School Fund	7,444 43		
Ann White Vose Building	160 44		
Wyman Building Fund	2,115 39		
John Foster Trust Fund	620 39		
		67,450 28	
Carried forward		\$43,199,718 07	\$5,117,633 84

<i>Brought forward</i>		\$43,199,718 07	\$5,117,633 84
City Hospital Trust Funds:			
"Silas Durkee Fund"	\$15,050 00		
"Daniel S. Ford Fund"	6,000 00		
		21,050 00	
Pay-roll Tailings, Settlements with			
Cashier, parties unpaid		15,917 03	
Public Library Trust Funds:			
"Daniel S. Ford Fund"		6,000 00	
School Funds:			
Bequest of Robert C. Waterston		4,717 33	
Premium on Temporary Loan		128 00	
Tax Titles, etc.		118 44	
Sidewalk Assessment Tailings Ac-			
count		74 98	
			\$43,247,723 85
On Account of the County of Suffolk:			
City Collector		\$271,284 84	
Pay-roll Tailings		438 57	
			271,723 41
			\$48,637,081 10

PAYMENTS

MADE ON ACCOUNT OF THE CITY OF BOSTON DURING THE FINANCIAL YEAR 1900-1901.

On Mayor's drafts charged to the following appropriations:			
Art Department			\$17 15
Assessing Department.....			163,491 36
Auditing Department.....			43,245 87
Bath Department:			
Bath Department.....	\$108,359 00		
Bath-house for women, K-street beach.....	830 00		
Bathing Establishment, Ward 15.....	1,122 92		
Gymnasium, Paris street, new bathing facilities.....	3,443 63		
Gymnasium, Elmwood st., ward-room	1,907 66		
Gymnasium, Ward 9, furnishing and equipping.....	1,639 65		
			117,302 86
Board of Aldermen.....			37,250 45
Building Department:			
Department Expenses.....	\$95,304 73		
Board of Appeal.....	2,265 03		
Filing cases, etc.....	1,302 18		
			98,871 94
Blue Hill and other avenues.....			83,831 97
Cemetery Department:			
Cemetery Department.....	\$62,914 78		
Chapel, Mt. Hope Cemetery.....	7,232 57		
Filing cabinets and safe.....	1,125 63		
			71,272 98
City Clerk Department.....			46,891 65
City Council:			
City Council Proceedings.....	\$17,808 26		
Incidental Expenses.....	7,528 96		
			25,337 22
City Debt Requirements:			
City Debt.....	\$1,826,593 00		
Interest	2,138,488 39		
			3,965,081 39
City Loans, Redemption of:			
Redemption of City Debt Proper....	\$3,485,000 00		
Cancellation of Cochituate Water Debt.....	5,000,000 00		
			8,485,000 00
City Messenger Department			33,915 36
Clerk of Committees Department:			
Department Expenses.....	\$14,763 43		
Reference Library.....	140 25		
			14,903 68
Collecting Department.....			113,279 66
Common Council.....			30,538 82
Damages by Dogs, etc.....			2,957 20
Election Department.....			123,978 49
Engineering Department:			
Engineering Department....	\$79,992 95		
Faneuil Hall Building, reconstruction..	1,273 71		
			81,266 66
Fire Department:			
Fire Department.....	\$1,209,047 02		
Engine-house and site, Warren avenue	27,192 72		
			1,236,239 74
Franklin Trades School Fund.....			180 87
Health Department:			
Health Department.....	\$159,085 96		
Morgue, North Grove street, reconstruction, etc.....	9,000 00		
Telephone cable, Long Island to Gallop's Island.....	2,385 22		
			170,471 18
Carried forward.....			\$14,945,326 50

<i>Brought forward</i>			\$14,945,326 50
Hospital Department:			
Hospital Department.....	\$432,897 65		
Ann White Vose Building.....	18,221 49		
Ann White Vose Building, equipment and furnishing.....	13,205 68		
Elevators.....	4,000 00		
Hospital buildings, improvements...	11,670 18		
New Buildings, City Hospital.....	2,075 92		
Wyman Building Fund.....	31,833 78		
			513,904 70
Institutions:			
Childrens Institutions Department:			
Placing out and Office Division....	\$90,006 13		
Marcella-street Home.....	768 07		
Parental School.....	47,444 60		
House of Reformation, Rainsford Island.....	44,791 11		
Electric Lighting Plant, Rainsford Island.....	788 51		
House of Reformation, reconstruc- tion of buildings, etc.....	11,141 24		
		\$194,939 66	
Insane Hospital Department:			
Boston Insane Hospitals.....	\$125,000 00		
Insane in State Institutions.....	195,499 89		
Electric plant.....	11,033 24		
		331,533 13	
Pauper Institutions Department:			
Boston Almshouse and Hospital, Long Island.....	\$117,539 82		
Almshouse, Charlestown.....	13,254 19		
Pauper expenses.....	1,203 75		
Office expenses.....	4,567 58		
Almshouse, Long Island, new power-house and equipment....	21,894 46		
Almshouse, Long Island, barn, im- provements in.....	14 04		
Salt Water Fire System, Long Island.....	5,579 75		
		164,053 59	
Institutions Registration Department,		22,485 87	
Steamer "J. Putnam Bradlee".....		19,997 09	
Steamer "John Howard".....		8,602 93	
			741,612 27
Lamp Department.....			728,107 09
Law Department.....			42,567 04
Laying-Out and Construction of High- ways:			
Laying-Out and Construction of Highways.....	\$568,190 99		
Interest on Debt.....	257,350 21		
Charlestown street.....	192,853 63		
Brighton.....	25,719 09		
Dorchester.....	230,623 90		
East Boston.....	355,501 87		
Roxbury and West Roxbury.....	113,428 81		
			1,743,668 50
Library Department:			
Library Department.....	\$290,766 10		
Branch Library, Broadway Exten- sion, improvements.....	433 09		
Bust of General Walker.....	1,200 00		
Library Building, Dartmouth street.	8,606 76		
Library Department, Trust Funds, Income.....	10,287 70		
			311,293 65
Market Department.....			9,330 28
Mayor:			
Mayor.....	\$27,344 93		
Public Celebrations.....	31,236 13		
			58,581 06
Music Department:			
Music Department.....	\$10,490 75		
Purchase and Improvement of Me- chanics' Hall organ.....	1,000 00		
			11,490 75
Overseeing of the Poor Department....			123,328 97
<i>Carried forward</i>			\$19,229,210 81

<i>Brought forward</i>			\$19,229,210 81
Park Department:			
Park Department.....	\$185,252 44		
Public Parks.....	182,297 07		
Chestnut Hill Park.....	75 00		
Christopher Gibson playground, construction.....	3,080 45		
Fellows-street playground, construction.....	24 23		
Land for playgrounds, exeecutions, etc.....	257 92		
Mystic playground, construction.....	659 65		
North Brighton playground, construction.....	2,704 31		
Playgrounds.....	286,511 73		
Playgrounds, construction.....	25,000 00		
Rogers Park, drainage.....	1,264 79		
			687,127 59
Police Department:			
Police Department.....	\$1,663,973 92		
Police Charitable Fund, Income.....	8,868 13		
			1,672,842 05
Printing Department.....			165,997 33
Public Buildings Department:			
General Expenses.....	\$269,589 89		
Electrical Construction Division.....	38,333 81		
Repair Division.....	20,018 38		
Ambulance station and equipment, South Boston.....	7,913 11		
Ward-room, Ward 2, improvements in.....	1,500 00		
Ward-room and gymnasium, Ward 8, Ambulance station.....	20,259 12		
	3,856 07		
			361,470 38
Public Grounds Department:			
Public Grounds Department.....	\$109,350 36		
Fence around storage lot and store-houses.....	2,743 49		
Fence around square, Old Heath, New Heath, and Parker streets.....	1,000 00		
Independence square, improvements.....	1,362 78		
			114,456 63
Randidge Trust Fund, Income.....			2,016 41
Rapid Transit:			
Rapid Transit.....	\$157,541 25		
Interest on Debt.....	170,503 14		
Rapid Transit Alterations.....	38,078 89		
			366,123 28
Registry Department:			
Current Expenses.....	\$28,088 48		
Printing Ancient Records.....	3,000 00		
			31,088 48
Reserve Fund.....			69,870 37
School Committee:			
School Committee.....	\$2,676,098 70		
School Buildings.....	299,248 46		
Bowdoin Dorehester School Fund, Income.....	38 30		
Gibson School Fund, Income.....	1,816 99		
Horace Mann School Fund, Income..	80 00		
School-houses.....	466,760 74		
Completing and furnishing school buildings, etc.....	45,955 05		
Grammar School-house, Dorehester..	20,850 74		
Grammar School-house, East Boston,	72,853 27		
Grammar School-house, Quincy and Perth streets.....	186 29		
Grammar School-house, South Boston,	49,064 69		
Normal School building and land...	264 70		
Primary School-house, Brighton.....	52,519 43		
Primary School-house, Munroe street, additional.....	437 50		
Primary School-house, Roxbury.....	28,291 40		
			3,714,466 26
Sewerage Charges, Repayment of.....			24,586 16
Sidewalk Assessments, Repayment of..			2,466 72
Sinking-Funds Department.....			2,451 25
South Union Station.....			220,798 53
<i>Carried forward</i>			\$26,664,972 25

TREASURY DEPARTMENT.

7

<i>Brought forward</i>			\$26,664,972 25
Soldiers' Relief Department.....			221,122 51
Statistics Department:			
Statistics Department.....	\$10,014 62		
"City Record".....	1,501 39		
			11,516 01
Street Department:			
Central Office.....		\$19,992 86	
Bridges:			
Bridge Division.....	\$138,580 56		
Cambridge Bridges Division.....	17,353 27		
Abolishment of Grade Crossings...	590,278 97		
Cambridge Bridge.....	57,386 42		
Charlestown Bridge.....	225,133 06		
Chelsea Bridge, widening opening, north draw.....	46,753 00		
Congress-street Bridge, reconstruc- tion.....	2,324 37		
Dover-street Bridge, tearing out old work.....	84 00		
Harvard-street Bridge, reconstruc- tion.....	2 00		
Malden Bridge.....	56,712 35		
Warren Bridge, redecking old piers,	4,000 00		
Winthrop Bridge.....	60 00		
		1,138,668 00	
Ferry Division:			
Ferry Division.....	\$236,999 91		
New Ferry Landing.....	96,191 74		
New Ferry-boats.....	8,781 81		
		341,973 46	
Paving Division:			
Paving Division.....	\$782,648 10		
Atlantic avenue, Oliver street to Commercial street.....	67,420 38		
Beacon street, Arlington street to Dartmouth street.....	28,962 34		
Boylston street, Arlington street to Berkeley street.....	14,154 87		
Buildings, Chelsea street.....	9,108 74		
Commercial street, Fleet street to Clinton street.....	92 38		
Commercial street, Prince street across Eastern avenue.....	28,776 20		
Charles street, from Fruit street to Allen street, asphaltting.....	318 80		
Commonwealth avenue.....	4,105 54		
Congress street, Atlantic avenue to bridge, paving.....	273 72		
Devonshire street, between State and Water streets, repaving.....	6,500 00		
Freeport street, Ward 24, retain- ing wall.....	4,223 72		
Harrison avenue, between Asy- lum and Davis streets, asphaltting,	12 16		
Neponset avenue, Adams street to Minot street.....	371 99		
Oliver street, Atlantic avenue to Milk street.....	23,200 00		
Retaining wall, Marcella and Cen- tre streets.....	2,492 40		
Street improvements:			
Ward 1.....	21,005 55		
Ward 2.....	8,784 15		
Ward 3.....	6,120 40		
Ward 4.....	3,262 61		
Ward 5.....	9,039 05		
Ward 6.....	10,518 12		
Ward 7.....	13,193 21		
Ward 8.....	6,951 78		
Ward 9.....	14,352 85		
Ward 10.....	25,000 00		
Ward 11.....	25,000 00		
Ward 12.....	25,000 00		
Ward 13.....	6,598 26		
Ward 14.....	22,484 19		
Ward 15.....	16,530 48		
Ward 16.....	25,000 00		
<i>Carried forward</i>	\$1,211,501 99	\$1,500,634 32	\$26,897,610 77

<i>Brought forward</i>	\$1,211,501 99	\$1,500,634 32	\$26,897,610 77
Ward 17.....	25,000 00		
Ward 18.....	25,000 00		
Ward 19.....	25,000 00		
Ward 20.....	28,425 03		
Ward 21.....	25,000 00		
Ward 22.....	18,777 22		
Ward 23.....	25,000 00		
Ward 24.....	18,341 63		
Ward 25.....	25,000 00		
Summer street, Washington street to Federal street.....	17,851 16		
Talbot avenue, completion of.....	1,093 37		
Temple place, asphaltting and regulating ..	5,222 83		
Tremont street, Court street to Boylston street.....	51,346 11		
Sanitary Division.....		1,502,559 34	
Sewer Division:		609,664 67	
Sewer Division.....	\$362,060 24		
Bennington street, sewer damages.	199,142 24		
Sewerage Works.....	920,808 45		
Stony Brook damages	3,419 79		
Stony Brook improvement	198,481 35		
Street-Cleaning Division.....		1,683,912 07	
Watering Division.....		339,747 23	
		174,742 45	
Street Laying-Out Department:			5,811,260 08
Street Laying-Out Department.....	\$39,879 12		
Widening and extending.....	2,118 05		
Adams street, Park to Parkman, widening.....	2,600 00		
Atlantic avenue extension.....	3,176 63		
Beacham street extension, laying out and construction.....	7,400 00		
Beacon street and Brookline avenue, raising grade.....	15,809 14		
Weld street, Ward 23, widening and construction	206 00		
			71,188 94
Treasury Department.....			45,220 90
Temporary Loan, 1900-1901.....			6,420,000 00
Water Department:			
Water Department.....	\$447,714 18		
Interest on Debt.....	805,924 26		
Ice for drinking fountains.....	2,650 00		
Extension of Mains, etc.....	411,075 91		
Sinking-Fund, Requirements for Debt.....	206,489 00		
			1,873,853 35
Weights and Measures Department ..			23,422 81
Wire Department.....			47,199 55
Total payment on Mayor's Drafts..			\$41,189,756 40
Amounts paid, but not drawn for by Mayor through the Auditor's office, charged to the following accounts:			
Commonwealth of Massachusetts:			
National Bank Taxes.....	\$536,670 00		
State Tax.....	530,526 44		
Metropolitan Water Tax:			
Sinking-Fund Requirements, Interest on Loans, and Cost of Maintenance.....	\$578,696 96		
Water receipts, 1899.....	1,088 95		
	579,705 91		
Liquor License Revenue.....	364,808 92		
Abolition of Grade Crossings:			
Sinking-Fund.....	\$65,908 42		
Interest on Loans.....	16,131 75		
	82,040 17		
<i>Carried forward</i>	\$2,000,751 44		\$41,189,756 40

<i>Brought forward</i>	\$2,093,751 44	.....	\$41,189,756 40
Abolition of Grade Crossings, Boston, Dedham, and Hyde Park:			
Sinking-Fund.....	\$30,832 79		
Interest on Loan	18,201 04		
	49,033 83		
Armory Loans:			
Sinking-Fund.....	\$12,623 15		
Interest on Loan	21,600 00		
	34,223 15		
North Metropolitan Sewer System:			
Sinking-Fund.....	\$8,794 75		
Interest on Loan	28,613 01		
Cost of Maintenance.....	21,679 00		
	59,086 76		
South Metropolitan Sewer System:			
Sinking-Fund	\$6,865 57		
Interest on Loan	31,778 94		
Cost of Maintenance.....	32,042 00		
	70,686 51		
Corporation Tax.....	19,118 37		
		\$2,325,900 06	
Board of Commissioners of Sinking- Funds:			
Revenue Collected	\$313,015 16		
Premium on Loans negotiated	140,328 64		
		453,343 80	
Investment in City of Boston Bonds:			
City Hospital Trust Funds:			
"Silas Durkee Fund"....	\$15,050 00		
"Daniel S. Ford Fund,"..	6,000 00		
	\$21,050 00		
Public Library Trust Funds, "Daniel S. Ford Fund"	6,000 00		
Mt. Hope Cemetery Trust Fund.....	3,850 00		
Gibson School Fund.....	600 00		
Evergreen Cemetery Trust Fund	350 00		
Dorchester North Burial Ground Trust Fund.....	100 00		
Dorchester South Cemetery Trust Fund.....	100 00		
		32,050 00	
City Debt due prior to Feb. 1, 1900		29,400 00	
Residue Tax Sales.....		19,253 70	
Liquor License Revenue Refunded		18,333 33	
Pay-roll Tailings, payments by Cashier to parties not paid by paymasters ...		16,502 69	
Taxes refunded.....		11,147 71	
Old Claims, City Account		3,201 69	
Water Rates refunded.....		1,695 55	
Laying-out and Construction of High- ways Assessments refunded	\$1,072 55		
Protested Assessments refunded	581 96		
		1,654 51	
Street Watering Assessments refunded, Duplicate and Overpayments to City Collector		954 59	
Tax Titles, etc.		807 53	
Sewer Assessments refunded:		167 00	
Sewerage Works.....	\$132 84		
Sewer	4 08		
		136 92	
Sidewalk Assessment Tailings account, ...		101 60	
School Tuition refunded.....		29 82	
			2,914,680 50
Total payments on City Account...			\$44,104,436 90
<i>County of Suffolk.</i>			
Paid during the financial year 1900- 1901, as allowed and certified by the Auditor of the City of Boston acting as Auditor of the County of Suffolk, under authority of Sect. 24, Chap. 23, Public Statutes:			
County Buildings.....		\$41,425 35	
Court House		39,989 26	
<i>Carried forward</i>		\$81,414 61	

<i>Brought forward</i>		\$81,414 61	
Jail.....		40,499 44	
Supreme Judicial Court		25,865 37	
Superior Court, Civil Sessions.....		202,778 42	
Superior Court, Criminal Session.....		83,410 45	
Probate Court and office		24,530 74	
Municipal Court, Civil Session.....		21,215 09	
Municipal Court, Criminal Session		87,206 06	
Municipal Court, Charlestown		9,346 65	
East Boston District Court.....		8,000 30	
Municipal Court, South Boston		10,186 34	
Municipal Court, Dorchester District..		5,825 87	
Municipal Court, Roxbury District....		12,864 39	
Municipal Court, West Roxbury Dis- trict		5,561 24	
Municipal Court, Brighton District....		5,374 77	
Police Court, Chelsea.....		6,903 50	
Registry of Deeds		45,969 59	
Insanity Cases.....		23,024 95	
Medical Examinations		13,292 92	
Miscellaneous Expenses.....		21,149 27	
House of Correction, South Boston		87,206 06	
House of Correction, Deer Island.....		158,495 14	
House of Correction, South Boston, Machinery, Materials, etc.....		51,150 93	
House of Correction, Deer Island, Ma- chinery, Materials, etc.....		37,694 36	
Court of Registration.....		690 03	
Penal Institutions, Office Expenses ...		21,969 81	
Deer Island, Electric Lighting Plant, Extension of.....		392 66	
Deer Island Hospital for Contagious Diseases		7,158 51	
County Loans, Redemption of		17,000 00	
County Debt Sinking Fund Require- ments		42,944 00	
Interest on County Debt		126,700 00	
Total payments allowed by Auditor, ...			\$1,285,821 47
Other payments as County Treasurer:			
County Fines to Complainant	\$554 20		
Old Claims.....	422 54		
Pay-roll Tailings	347 30		
Bail Refunded.....	50 00		
County fines awarded to wife, neglect to support.....	35 00		
Bounty for Destruction of Seals	30 00		
Attorneys' Admission Fees Re- funded	3 00		
			1,442 04
Total payments on account of the County of Suffolk.. ..			\$1,287,263 51
RECAPITULATION.			
Cash Balance, February 1, 1900.....			\$5,117,633 84
Receipts from February 1, 1900, to January 31, 1901, both inclusive:			
Account of City of Boston:			
City Collector.....	\$24,672,389 15		
Temporary Loans.....	6,420,000 00		
Board of Commissioners of Sinking Funds:			
Water Works Fund for cancellation tion of Debt	5,000,000 00		
For Redemption of Matured Debt.....	3,485,000 00		
City Loans issued.....	3,163,550 00		
Other Sources	506,784 70		
		\$43,247,723 85	
Account of County of Suffolk:			
City Collector.....	\$271,284 84		
Other Sources.....	438 57		
		271,723 41	
			43,519,447 26
<i>Carried forward</i>			\$48,637,081 10

<i>Brought forward</i>			\$48,637,081 10
Payments from February 1, 1900, to January 31, 1901, both inclusive:			
Account of City Boston:			
General Drafts	\$16,579,378 39		
Pay-roll Drafts	10,678,426 14		
Special Drafts	13,931,951 87		
Amounts not drawn for by Mayor through Auditor's office	2,914,680 50	\$44,104,436 90	
Account of County of Suffolk:			
General Payments	\$1,145,915 52		
Special Drafts	139,905 95		
Other Amounts	1,442 04	1,287,263 51	
			45,391,700 41
Cash Balance, January 31, 1901, carried forward to Financial Year 1901-1902.. ..			<u>\$3,245,380 69</u>

Dr. Balance Sheet of the Treasury Department, January 31, 1901, ALFRED T. TURNER, City Treasurer. Cr.

To Appropriations, etc., carried forward to financial year 1901-1902:				
Special Appropriations, money derived from Loans.....	\$1,839,191 04			\$55,024 76
General Appropriations, excess of Revenue, etc.....	777,016 22			85,258 37
		\$2,616,207 26		43,988 02
Franklin Trades School Fund.....	\$376,143 63			46,215 17
Wyman Building Fund.....	87,191 21			62,418 18
John Foster Trust Fund.....	31,357 14			53,773 64
Residue, Tax Sales, etc.....	29,808 33			53,365 30
Protested Laying-Out and Construction of Highway Assessments.....	27,296 68			57,660 83
Pay-roll Tailings, City Account.....	17,631 70			31,380 87
Duplicate and Overpayments to City Collector.....	14,505 28			38,818 77
Old Claims, City Account.....	7,852 35			29,989 81
New England Sanitary Product Co., Guarantee Fund.....	5,000 00			26,617 01
Robert C. Waterston Bequest.....	4,717 33			878 88
So. Union Station Ass'mts Protested, Pay-roll Tailings, County Account..	3,830 52			25,021 23
Sidewalk Assessments, Repayment of.....	2,499 05			4,418 28
Gibson School Fund.....	2,156 72			213,381 42
George B. Hyde Bequest.....	2,115 43			1,295 79
Park Betterments Withheld.....	1,915 95			17,077 35
Sale of School Property.....	1,892 77			18,625 13
Protested Betterments, Parkway, West Roxbury.....	1,712 50			33,526 68
Bay State Gas Co., Guarantee Fund, Sewerage Works Assessments Protested.....	1,647 83			57,139 20
Randridge Trust Fund Income.....	1,328 00			55,069 35
Naturalization Fees, Payable to the Social Law Library.....	1,131 78			108,999 53
City Debt due prior to Feb. 1, 1901..	1,023 10			147,979 47
Protested Betterments, Parkway, Old Harbor.....	1,022 50			39,791 91
Blue Hill and other Avenues, Assessments Protested.....	1,000 00			13,620 30
	980 32			52,579 04
	642 45			21,938 75
				23,984 89
				60,969 10
				20,130 75
				184,832 39
				44,392 14
				43,912 00
				25,546 91
				35,140 96

Mt. Hope Cemetery Trust Fund.....	553 07	Peoples National Bank.....	23,211 96
Old Claims, County Account.....	473 85	Second National Bank, General Account..	31,345 53
Tax Titles, etc.....	447 04	Shoe and Leather National Bank.....	42,710 73
Daniel Preston Lot.....	331 15	State National Bank.....	88,545 55
Evergreen Cemetery Trust Fund.....	267 75	Suffolk National Bank.....	21,461 25
City Hospital Trust Funds.....	250 00	Third National Bank.....	15,462 49
Franklin Park Betterments, Repay- ment of.....	238 22	Washington National Bank.....	36,963 51
Public Library Trust Funds.....	92 10	Winthrop National Bank.....	16,270 69
Dorchester South Burial Ground Trust Fund.....	30 00	Colonial National Bank, Special Account..	\$87,191 21
Dorchester North Burial Ground Trust Fund.....	13 00	Mechanics National Bank, Special Ac- count.....	31,357 14
Samuel E. Sawyer Bequest:		Second National Bank, Special Account...	376,143 63
Marcella-street Home.....	12 34		
Horace Mann School.....	12 34	Cash and cash vouchers in office, including County and other duly authorized payments, in advance of Mayor and County Auditor's drafts for the same.....	\$2,605,425 87
	629,173 43		639,954 82
			\$3,245,380 69
			\$3,245,380 69

DEBT PAID DURING FINANCIAL YEAR 1900-1901.

Date of Order.	Rate per cent.	Object of Loan.	Date Due.	Amount Due.	Amount Paid.	Totals.
Aug. 9, 1877.....	4	Improved Sewerage.....	Jan. 1, 1899.	\$400 00	\$400 00	\$29,400 00
Mar. 10, 1890.....	4	Miscellaneous Purposes.....	Jan. 1, 1900.	29,000 00	29,000 00	
Aug. 9, 1877.....	4	Improved Sewerage.....	April 1, 1900.	\$1,250,000 00	\$1,250,000 00	1,267,000 00
" " ".....	5	" " ".....	" " ".....	17,000 00	17,000 00	
Mar. 18, 1889.....	4	New Public Library, Dartmouth street.....	July 1, 1900.	297,000 00	\$297,000 00	297,000 00
Mar. 18, 1889.....	4	New Public Library, Dartmouth street.....	Oct. 1, 1900.	14,000 00	\$14,000 00	
Oct. 13, 1890.....	4	Public Parks, Charlestown District.....	" " ".....	200,000 00	200,000 00	
" 17, " ".....	4	Miscellaneous Purposes.....	" " ".....	670,000 00	670,000 00	
Aug. 9, 1877.....	5	Improved Sewerage.....	" " ".....	18,000 00	18,000 00	919,000 00
Sept. 16, 1885.....	3	Suffolk County Court House.....	" " ".....	17,000 00	17,000 00	
Jan. 27, 1891.....	4	Miscellaneous Purposes.....	Jan. 1, 1901.	460,000 00	\$460,000 00	
Mar. 18, 1889.....	4	New Public Library, Dartmouth street.....	" " ".....	189,000 00	189,000 00	
Aug. 9, 1877.....	4	Improved Sewerage.....	" " ".....	24,000 00	24,000 00	
July 2, 1870.....	6	Chestnut-hill Reservoir.....	" " ".....	41,000 00	41,000 00	
" 19, " ".....	6	Water Works, Ward 16, Dorchester.....	" " ".....	305,000 00	305,000 00	1,019,000 00
July 2, 1870.....	6	Cochituate Water Debt cancelled in accordance with an order of the City Council, approved by the Mayor, Nov. 5, 1900, and a vote of the Board of Commissioners of the Sinking-Funds, passed Nov. 9, 1900 :—	Jan. 1, 1901.			
" 19, " ".....	6	Chestnut-hill Reservoir.....	" " ".....		\$209,000 00	
Mar. 21, 1871.....	6	Water Works, Ward 16, Dorchester.....	April 1, " ".....		70,000 00	
June 27, " ".....	6	Renewal of Loan, due 1870-71.....	" " ".....		688,000 00	
" " ".....	6	Water Works, Wards 13, 14, 15, and 16.....	" " ".....		300,000 00	
April 12, 1872.....	6	High Service, South Boston.....	July 1, 1902.		30,000 00	
Dec. 20, 1873.....	6	Additional Supply of Water.....	April 1, 1904.		100,000 00	
June 6, 1874.....	6	Water Works.....	" " ".....		38,000 00	
Dec. 24, 1874.....	6	Water Works, Wards 13, 14, 15, and 16, and extension to Wards 17 and 19 (West Roxbury and Brighton)..	Jan. 1, 1905.		60,000 00	
" " ".....	6	Water-pipes, " " ".....	April 1, " ".....		98,000 00	
					89,000 00	

Date	Description	Debit	Credit	Balance
Feb. 26, 1875	Additional Supply of Water	34,000 00		
April 1, 1878	"	588,000 00		
Mar. 30, 1883	New Main	61,000 00		
June 2, " "	Introduction of Meters and Inspection	50,000 00		
" " " "	Additional Supply of Water	280,000 00		
" " " "	Introduction of Meters and Inspection	7,000 00		
Dec. 23, 1884	High Service	50,000 00		
" " " "	"	100,000 00		
Mar. 5, 1885	Extension of Mains, etc.	50,000 00		
" " " "	"	50,000 00		
" " " "	"	100,000 00		
Dec. 23, 1884	High Service	50,000 00		
Oct. 14, 1884	Additional Supply of Water	100,000 00		
April 17, 1886	Extension of Mains, etc.	75,000 00		
" " " "	"	25,000 00		
Oct. 14, 1884	Additional Supply of Water	50,000 00		
Dec. 23, 1884	High Service	225,000 00		
" " " "	"	155,000 00		
Jan. 1, 1887	Extension of Mains, etc.	200,000 00		
Mar. 1, 1890	High Service	100,000 00		
Nov. 13, 1889	Additional Supply of Water	75,000 00		
April 26, 1893	"	550,000 00		
" " " "	"	118,000 00		
Nov. 22, 1898	Extension of Mains, etc.	200,000 00		
Board Estimate and Apportionment, June 22, 1899	Extension of Mains, etc.	25,000 00		
	Total Debt Matured	\$3,502,000 00		
	Total Debt Paid		\$8,531,400 00	

NEW DEBT ISSUED DURING FINANCIAL YEAR 1900-1901.

Date of Order.	Rate per cent.	Object of Loan.	Amount of Issue.	Date Payable.
Sect. 4, Chap. 450, Acts 1899.....	3	Sewerage Charges, repayment of.....	\$10,000 00	April 1, 1905
" 4, " 450, " 1899.....	3	"	5,000 00	Jan. 1, 1906
" 4, " 248, " 1898.....	3	South Union Station.....	25,000 00	" "
May 28, 1900.....	3½	House of Reformation, re-construction of buildings, etc.....	10,000 00	April 1, 1910
Jan. 5, 1901.....	3	Various Municipal Purposes, Jan. 5, 1901.....	50,000 00	Jan. 1, 1911
July 31, 1900.....	3	Bennington Street, Sewer Damages.....	150,000 00	" "
" 31, 1900.....	3	Bath-house for Women, K-street beach, erection of.....	4,500 00	" "
" 31, 1900.....	3	Engine-house, Warren Avenue, completion of	27,000 00	Jan. 1, 1921
" 31, 1900.....	3	Playgrounds, construction.....	25,000 00	" "
Jan. 5, 1901.....	3	Various Municipal Purposes, Jan. 5, 1901.....	24,500 00	" "
Sect. 6, Chap. 426, Acts 1897.....	3½	Sewerage Loan.....	109,000 00	April 1, 1930
" 4, " 450, " 1899.....	3½	"	791,000 00	July 1, 1930
" 6, " 426, " 1897.....	3½	Playgrounds Loan.....	46,000 00	" "
" 4, " 450, " 1899.....	3½	"	154,000 00	" "
" 2, " 412, " 1898.....	3	School-houses.....	21,650 00	" "
" 2, " 412, " 1898.....	3	"	"	"
" 1, " 149, " 1898.....	3	Public Park Loan.....	130,000 00	" "
" 1, " 319, " 1897.....	3½	Laying-out and Construction of Highways.....	3,550 00	" "
" 3, " 394, " 1897.....	3	"	461,000 00	" "
" 1, " 319, " 1897.....	3½	"	200,000 00	" "
" 1, " 443, " 1899.....	3½	School-houses.....	278,350 00	Oct. 1, 1930
" 1, " 149, " 1898.....	3	Laying-out and Construction of Highways (Charlestown Street). ..	183,000 00	Jan. 1, 1931
" 1, " 346, " 1897.....	3	"	150,000 00	" "
" 1, " 443, " 1899.....	3	Normal School Building and Land	5,000 00	" "
" 1, " 239, " 1899.....	3	Atlantic Avenue Extension.....	25,000 00	" "
" 2, " 466, " 1899.....	3	Public Park Construction.....	25,000 00	" "
July 31, 1900.....	3	Rapid Transit.....	50,000 00	July 1, 1940
Sect. 18, Chap. 500, Acts 1897.....	3½	" (Charlestown Bridge).....	200,000 00	" "
" 37, " 548, " 1894.....	3½	"	"	"
Total Debt Issued.....			\$3,163,550 00	

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT.

FROM CITY 'TREASURER'S BOOKS.

Exclusive of the LAYING OUT AND CONSTRUCTION OF HIGHWAYS, COUNTY AND WATER DEBTS, on the 31st day of January, 1901, classified according to the financial years in which it becomes due, viz.:

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
Feb. 4, 1860....	5	Matured.....	North street, Widening.....	\$1,000 00	Jan., 1874	\$1,000 00
Aug. 9, 1877....	4	April and Oct....	Improved Sewerage.....	\$5,000 00	April, 1901	
“ “ “.....	4	“ “ “.....	“ “ “.....	10,000 00	“ “	
Chap. 516, Acts of 1896.....	4	Jan. and July....	South Union Station.....	25,000 00	Jan., 1902	
Aug. 9, 1877....	4	“ “ “.....	Improved Sewerage.....	8,000 00	“ “	
Aug. 9, 1877....	4	April and Oct....	Improved Sewerage.....	\$317,000 00	April, 1902	48,000 00
Chap. 516, Acts of 1896.....	4	“ “ “.....	South Union Station.....	1,275,000 00	“ “	
Aug. 9, 1877....	4	“ “ “.....	Improved Sewerage.....	627,500 00	Oct., “	
“ “ “.....	4	Jan. and July....	“ “ “.....	22,500 00	Jan., 1903	
Chap. 516, Acts of 1896.....	3½	“ “ “.....	South Union Station.....	300,000 00	“ “	
May 13, 1882....	4	April and Oct....	Improved Sewerage....	\$500,000 00	April, 1903	2,542,000 00
Aug. 9, 1877....	4	“ “ “.....	“ “ “.....	6,000 00	Oct., “	
May 13, 1882....	4	“ “ “.....	“ “ “.....	245,000 00	“ “	
Sect. 13, Chap. 516, Acts of 1896.....	3½	“ “ “.....	South Union Station.....	100,000 00	“ “	
May 13, 1882....	4	Jan. and July....	Improved Sewerage.....	500,000 00	Jan., 1904	1,351,000 00
			<i>Carried forward</i>			\$3,942,000 00

[illegible]

TREASURY DEPARTMENT.

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[illegible]

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
April 30 and May 16, 1891.....	4	April and Oct. ...	<i>Brought forward</i>			\$8,883,000 00
Oct. 26, 1891.....	4	" "	School-houses and Sites	\$500,000 00	April, 1911	
Dec. 5, 1891.....	4	" "	Sewers	421,000 00	Oct., "	
Dec. 10, 1891.....	4	" "	L-street Bridge	160,000 00	" "	
Dec. 24, 1891.....	4	" "	Commonwealth-avenue, Construction.....	210,000 00	" "	
Jan. 2, 1892.....	4	" "	Dorchester avenue, Paving, Wards 15 and 24.....	125,000 00	" "	
Jan. 23, 1892.....	4	" "	New Buildings, City Hospital.....	136,500 00	" "	
" "	4	Jan. and July.....	Allston Bridge.....	90,000 00	Jan., 1912	
" "	4	" "	Improved Sewerage	250,000 00	" "	1,892,500 00
May 24, 1892.....	4	April and Oct.....	Various Municipal Purposes, 1892.....	\$1,599,725 00	April, 1912	
Sept. 30, 1892.....	4	Jan. and July.....	Buildings, Gallop's Island and Swett street.....	50,000 00	July, "	
Aug. 24, 1892.....	4	" "	New Lunatic Hospital.....	200,000 00	" "	
Oct. 7, 1892.....	4	April and Oct.....	Laying-out Streets Department.....	25,000 00	Oct., "	
" "	4	" "	City Hospital, Additional Land.....	42,000 00	" "	
Dec. 16, 1881.....	4	Jan. and July.....	West Roxbury Park.....	233,000 00	Jan., 1913	
Dec. 24, 1881.....	4	" "	East Boston Park.....	50,000 00	" "	
Dec. 28, 1881.....	4	" "	Arnold Arboretum	60,000 00	" "	2,259,725 00
Dec. 16, 1881.....	4	April and Oct.....	West Roxbury Park.....	\$300,000 00	April, 1913	
Dec. 24, 1881.....	4	" "	Charles-river Embankment	285,000 00	" "	
" "	4	" "	City Point Park.....	100,000 00	" "	
" "	4	" "	Muddy River Improvement.....	119,000 00	" "	
April 17, 1883.....	4	" "	City Point Park.....	109,000 00	" "	
June 26, 1893.....	4	" "	Widening Essex and Lincoln streets.....	260,500 00	" "	
July 10, 1893.....	4	" "	Various Municipal Purposes, 1893.....	2,514,100 00	" "	
Oct. 23, 1893.....	4	" "	Stony Brook Damages.....	30,000 00	Oct., "	
Jan. 4, 1884.....	4	Jan and July.....	West Roxbury Park.....	500,000 00	Jan., 1914	
Dec. 29, 1893.....	4	" "	Commonwealth-avenue extension.....	50,000 00	" "	4,267,600 00
Dec. 24, 1881.....	4	April and Oct.....	Muddy River Improvement.....	\$75,000 00	April, 1914	
April 26, 1894.....	4	Jan. and July.....	Improved Sewerage.....	50,000 60	July, "	
Dec. 29, 1893.....	4	" "	Commonwealth-avenue extension.....	100,000 00	" "	
" "	4	April and Oct.....	"	100,000 00	Oct., "	

Date	Particulars	Amount	Year
July 12, 1894	Various Municipal Purposes, 1894	599,800 00	"
Jan. 1, 1894	Crushed Stone for Street Improvements	50,000 00	"
Feb. 1, 1894	Schools	250,000 00	1914
"	Public Parks	500,000 00	"
Jan. 28, 1895	Improved Sewerage	\$67,650 00	1915
Mar. 16, 1895	New Lunatic Hospital, Furnishing	10,000 00	"
"	Parental School for Boys	5,000 00	"
July 12, 1894	Various Municipal Purposes, 1894	213,000 00	"
Jan. 4, 1895	"	17,000 00	"
April 22, 1895	"	137,000 00	"
Nov. 14, 1885	Charles-river Embankment	16,000 00	Oct.,
"	City Point Park	13,000 00	"
Feb. 1, 1894	New Buildings, City Hospital	300,000 00	"
Sept. 27, 1895	House of Industry, Alterations and Additions	50,000 00	"
"	Parental School, New Buildings and Furnishing	50,000 00	"
July 12, 1894	Various Municipal Purposes, 1894	87,000 00	"
Jan. 4, 1895	"	155,000 00	"
April 4, 1895	"	121,000 00	"
July 9, 1895	"	38,500 00	"
Jan. and July	"	1,115,200 00	1916
"	"	500 00	"
Jan. 4, 1896	Library Building, Dartmouth street, Furnishing	44,000 00	"
July 9, 1895	Various Municipal Purposes, July 9, 1895	\$3,000 00	1916
April 24, 1886	Bussey Park and Arboretum	4,000 00	"
June 12, 1886	Arnold Arboretum	16,000 00	"
July 9, 1895	Various Municipal Purposes, July 9, 1895	438,500 00	"
Dec. 31, 1895	Sidewalk Assessments, Repayment of	100,000 00	"
Mar. 13, 1896	Wire Department	50,000 00	"
May 5, 1896	Sewer Outlet, South Boston	35,000 00	"
June 15, 1896	Public Bath-house	1,000 00	"
"	"	64,000 00	Oct.,
Oct. 5, 1896	Connection with Metropolitan Sewer, East Boston	25,000 00	"
"	Sewer Outlet, Porter street, East Boston	16,000 00	"
"	New Ferry Landing	25,000 00	"
June 7, 1896	Various Municipal Purposes, July 3, 1896	103,500 00	"
July 3, 1896	Charles-river Embankment	55,000 00	"
Oct. 22, 1886	Various Municipal Purposes, Nov. 4, 1896	223,500 00	"
Nov. 4, 1896	"	40,500 00	1917
June 30, 1896	School Buildings, Improvements in	300,000 00	"
Jan. 1, 1897	Commonwealth avenue	50,000 00	"
	Carried forward	\$1,550,000 00	
		\$21,467,475 00	

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Year.
	Rate.	When Due.				
June 7, 1896....	4	Jan. and July....	<i>Brought forward</i>	\$1,550,000 00	.....	\$21,467,475 00
Nov. 4, 1896....	4	Aprill and Oct....	New Ferry Landing.....	5,000 00	Jan., 1917	
June 4, 1887....	3½	Jan. and July....	Various Municipal Purposes, Nov. 4, 1896.....	\$3,000 00	Aprill, 1917	
Nov. 4, 1896....	4	" "	Public Park Lands.....	400,000 00	" "	
Feb. 19, 1897....	4	" "	Various Municipal Purposes, Nov. 4, 1896.....	254,000 00	" "	
July 10, 1895..	4	" "	Wire Department.....	50,000 00	" "	
June 7, 1896..	4	" "	New Ferry Landing	5,000 00	July, 1917	
Chap. 435, Acts 1895.....	3½	" "	Fire Boat.....	16,000 00	" "	
Dec. 22, 1896....	3½	" "	Mass. Historical Society Buildings.....	25,000 00	" "	
Jan. 1, 1897....	3½	" "	Parental School, New Buildings and Furnishing.....	7,000 00	" "	
Feb. 15, 1897....	3½	" "	House of Industry, Deer Island, Alterations and Additions.....	20,000 00	" "	
" "	3½	" "	Various Municipal Purposes, June 18, 1897.....	162,500 00	" "	
June 18, 1897....	4	Aprill and Oct....	Stony Brook Improvement.....	500,000 00	Oct.,	
July 13, 1887....	3½	" "	New Bridge to Cambridge.....	250,000 00	" "	
" "	4	" "	Various Municipal Purposes, June 18, 1897.....	164,000 00	" "	
June 18, 1897....	4	" "	New Ferry Landing.....	5,000 00	" "	
July 10, 1895..	3½	" "	School Buildings, Improvements in.....	100,000 00	" "	
June 7, 1896..	4	Jan. and July....	Public Park Construction.....	450,000 00	Jan., 1918	
Chap. 435, Acts 1895.....	3½	" "	Nurses' Home Site, Furnishing, etc.....	101,000 00	" "	
Sept. 24, 1897....	3½	" "	Various Municipal Purposes, October 29, 1897.....	27,000 00	" "	
Jan. 4, 1887....	4	" "	New Ferry Landing.....	102,800 00	" "	
Feb. 10, 1887..	3½	" "				
Dec. 30, 1887..	3½	" "				
April 6, 1897....	3½	" "				
Oct. 29, 1897....	3½	" "				
July 10, 1895..	3½	" "				
June 7, 1896..	3½	" "				
Chap. 435, Acts 1895.....	3½	" "				

“	“	3½	Jan. and July....	New Ferry Landing.....	1,000 00	“	“	2,643,300 00
Jan. 29, 1898....	“	3½	April and Oct....	Wire Department.....	\$50,000 00	“	“	
Feb. 21, 1898....	“	3½	“	Various Municipal Purposes, February 21, 1898.....	224,000 00	“	“	
July 10, 1895....	“	3½	“	New Ferry Landing.....	25,000 00	“	“	
June 7, 1896....	“	3½	“	Public Park Construction.	5,000 00	“	“	
Chap. 435, Acts 1895.....	“	4	Jan. and July....	“	5,000 00	“	“	
Jan. 4, 1887....	“	3½	“	New Building, City Hospital.....	23,000 00	“	“	
Feb. 10, 1887....	“	3½	“	Faneuil Hall, Building, Reconstruction.....	80,000 00	“	“	
Dec. 31, 1887....	“	3½	“	Street Improvements, June 30, 1898.....	181,480 00	“	“	
“	“	3½	April and Oct....	Library Building, Dartmouth street.....	100,000 00	“	“	
June 14, 1898....	“	3½	“	Bridge, Lauriat avenue, Ward 24.....	21,000 00	“	“	
June 16, 1898....	“	3½	“	Evergreen Cemetery, Wall.....	1,500 00	“	“	
June 30, 1898....	“	3½	“	Various Municipal Purposes, September 30, 1898.....	16,500 00	“	“	
Chap. 475, Acts 1898.....	“	3½	“	Washington street, between Grove Hall and Columbia road.....	4,500 00	“	“	
Aug. 9, 1898....	“	4	“	Public Park Construction.....	40,000 00	“	“	
Sept. 21, 1898....	“	4	Jan. and July....	“	480,500 00	“	1919	1,257,480 00
Sept. 30, 1898....	“	4	April and Oct....	Faneuil Hall Building, Reconstruction.....	\$15,000 00	“	1919	
Oct. 19, 1898....	“	3½	“	Various Municipal Purposes, February 27, 1899.....	213,100 00	“	“	
Jan. 4, 1897....	“	3½	“	Public Park Construction.....	16,000 00	“	“	
Feb. 10, 1887....	“	4	Jan. and July....	“	3,500 00	“	“	
Dec. 31, 1887....	“	3½	“	Improved Sewerage.....	500,000 00	“	“	
Board of Est. and Appor., Jan. 24, 1899....	“	3½	“	Various Municipal Purposes, February 27, 1899.....	200,000 00	“	“	
Board of Est. and Appor., Feb. 27, 1899....	“	3½	“	New Ferry Landing.....	331,200 00	“	“	
Jan. 4, 1887....	“	3½	“	Carried forward.....	\$1,278,800 00	“	“	\$26,923,255 00
Feb. 10, 1887....	“	4	“			“	“	
Dec. 31, 1887....	“	4	“			“	“	
Sept. 14, 1889....	“	3½	“			“	“	
Board of Est. and Appor., Feb. 27, 1899....	“	3½	“			“	“	
July 10, 1895....	“	3½	“			“	“	
June 7, 1896, accepting Chap. 435, Acts 1895....	“	3½	“			“	“	

TREASURY DEPARTMENT.

27

Jan.	5, 1901....	3	"	"	Various Municipal Purposes, Jan. 5, 1901.....	24,500 00	"	"	637,000 00
May	20, 1891....	4	June and Dec....	1921	Public Parks.....	\$700,000 00	June,	1921	700,000 00
"	"	4	April and Oct....	"	Public Parks.....	\$200,000 00	April,	1922	
"	"	4	"	"	"	301,000 00	Oct.,	"	
Oct.	24, 1891....	4	"	"	Library Building, Dartmouth street.....	175,000 00	"	1923	
May	20, 1891....	4	Jan. and July....	"	Public Parks.....	250,000 00	Jan.,	"	
Oct.	24, 1891....	4	"	"	Library Building, Dartmouth street.....	200,000 00	"	"	1,126,000 00
May	20, 1891....	4	Jan. and July....	1923	Public Parks.....	\$500,000 00	July,	1923	
"	"	4	April and Oct....	"	"	450,000 00	Oct.,	"	
Oct.	24, 1891....	4	"	"	Library Building, Dartmouth street.....	325,000 00	"	"	
May	20, 1891....	4	Jan. and July....	1924	Public Parks.....	99,000 00	Jan.,	1924	1,374,000 00
May	17, 1893....	4	Jan. and July....	1924	Public Parks, Wards 6 and 7.....	\$100,000 00	July,	1924	
Oct.	24, 1891....	4	April and Oct....	"	"	100,000 00	Oct.,	"	
May	20, 1891....	4	"	"	Library Building, Dartmouth street.....	100,000 00	"	"	
Oct.	23, 1893....	4	"	"	Public Parks.....	1,000,000 00	"	"	
June	8, 1894....	4	Jan. and July....	1925	Public Parks.....	1,000,000 00	Jan. 2,	1925	2,349,500 00
Oct.	24, 1891....	4	"	"	Library Building, Dartmouth street.....	49,500 00	" 1,	"	
May	17, 1893....	4	April and Oct....	1925	Public Park, Wards 6 and 7.....	\$50,000 00	April,	1925	
"	"	4	"	"	"	208,000 00	Oct.,	"	
Oct.	24, 1891....	4	"	"	Library Building, Dartmouth street.....	150,500 00	"	"	408,500 00
Chap.	408, Acts	4	Jan. and July....	"	School-houses.....	\$500,000 00	July,	1926	
of 1895....	May 17, 1893....	4	"	"	Public Park, Wards 6 and 7.....	11,300 00	"	"	
Chap.	453, Acts	4	"	"	Public Parks.....	500,000 00	Jan.,	1927	1,011,300 00
of 1896....	Chap. 408, Acts	3½	Jan. and July....	"	School-houses.....	\$150,000 00	July,	1927	
Chap.	408, Acts	4	April and Oct....	"	Public Park Loan.....	50,000 00	Oct.,	1827	
of 1895....	Chap. 442, Acts	4	Jan. and July....	"	School-houses.....	500,000 00	Jan.,	1928	
Chap.	442, Acts	3½	"	"	Sewerage Loan.....	500,000 00	"	"	
of 1897....	Chap. 426, Acts	3½	"	"	Carried forward.....	\$1,200,000 00	"	"	\$37,053,855 00

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
Chap. 453, Acts of 1896.....	3½	Jan. and July....	<i>Brought forward</i>	\$1,200,000 00	.....	\$37,053,855 00
Feb. 9, 1898.....	3½	April and Oct.....	Public Park Loan	450,000 00	Jan., 1928	1,650,000 00
Sect. 6, Chap. 426, Acts of 1897.....	3½	Jan. and July....	Public Park Loan.....	\$50,000 00	April, "	
July 13, 1898....	3½	April and Oct.....	Sewerage Loan.....	500,000 00	July, "	
Sect. 4, Chap....	3½	"	Chapel, Mt. Hope Cemetery.....	25,000 00	Oct., "	
408, Acts of 1895.....	3½	"	School-houses.. .	650,000 00	"	
Sect. 1, Chap. 442, Acts of 1897.....	3½	"			"	
Sect. 1, Chap. 313, Acts of 1898.....	3½	"	Public Park Loan.....	450,000 00	"	
Sect. 6, Chap. 426, Acts of 1897.....	3½	"	Sewerage Loan.....	1,000,000 00	"	
Sect. 2, Chap. 257, Acts of 1898.....	3½	April and Oct.....	Playgrounds.....	\$151,000 00	April, 1929	2,675,000 00
Sect. 2, Chap. 412, Acts of 1898.....	3½	Jan. and July....	Sewerage Loan.....	1,000,000 00	July, 1929	
Sect. 6, Chap. 426, Acts of 1897.....	3½					
Sect. 4, Chap. 450, Acts of 1899.....	3½					

Sect. 1, Chap. 303, Acts of 1899.....	3½	"	"	Public Parks.....	500,000 00	"	"
Sect. 2, Chap. 412, Acts of 1898.....	3½	"	"	Playgrounds.....	49,000 00	"	"
Board of Est. and Appor., May 25, 1899....	3½	"	"	School Committee.....	25,000 00	"	"
Sect. 1, Chap. 149, Acts of 1898.....	3½	April and Oct.....	"	School-houses.....	300,000 00	Oct.,	"
Sect. 1, Chap. 319, Acts of 1897.....	3½	Jan. and July.....	"	Public Parks.....	486,000 00	Jan., 1930	"
Sect. 3, Chap. 394, Acts of 1897.....	3½	"	"	School Committee.....	475,000 00	"	"
Board of Est. and Appor., Mar. 31, 1899..	3½	"	"	Public Park (Chestnut Hill Park).....	75,000 00	"	"
Sect. 2, Chap. 274, Acts of 1899.....	3½	"	"	Sewerage Loan.....	100,000 00	"	"
Sect. 6, Chap. 426, Acts of 1897.....	3½	"	"				
Sect. 4, Chap. 450, Acts of 1899.....	3½	April and Oct.....	"	Sewerage Loan.....	\$109,000 00	April, 1930	
Sect. 6, Chap. 426, Acts of 1897.....	3½	Jan. and July.....	"	"	791,000 00	July,	"
Sect. 4, Chap. 450, Acts of 1899.....	3½			Carried forward.....	\$900,000 00		
							\$44,539,855 00

3,161,000 00

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
Sect. 2, Chap. 412, Acts of 1898.....	3½	Jan. and July....	<i>Brought forward</i>	\$900,000 00	.....	\$44,539,855 00
Sect. 2, Chap. 412, Acts of 1898.....	3	" "	Playgrounds.....	46,000 00	July, 1930	
Sect. 1, Chap. 149, Acts of 1898.....	3	" "	"	154,000 00	" "	
Sect. 1, Chap. 319, Acts of 1897.....	3½	" "	School-houses.....	21,650 00	" "	
Sect. 3, Chap. 394, Acts of 1897.....	3	" "	Public Parks.....	130,000 00	" "	
Sect. 1, Chap. 149, Acts of 1898.....	3	April and Oct....	School-houses.....	278,350 00	Oct., "	
Sect. 1, Chap. 239, Acts of 1899....	3	Jan. and July....	Normal School, Building and Land.....	5,000 00	Jan., 1931	
Sect. 2, Chap. 466, Acts of 1899....	3	" "	Atlantic Avenue, Extension.....	25,000 00	" "	
July 31, 1900.....	3	" "	Public Park Construction.....	25,000 00	" "	
July 2, 1894.....	4	April and Oct....	Charlestown Bridge.....	\$10,000 00	Oct., 1934	1,585,000 00
Chap. 548, Acts of 1894.....	4	" "	Rapid Transit.....	50,000 00	" "	
Chap. 548, Acts of 1894.....	4	April and Oct....	Rapid Transit.....	\$1,000,000 00	April, 1935	60,000 00
Chap. 408, Acts of 1895.....	4	Jan. and July....	School-houses... ..	500,000 00	July, 1935	
May 11, 1885.....	4	" "	Blue Hill and other avenues.....	1,000,000 00	" "	

Chap. 548, Acts of 1894.....	4	April and Oct....	Charlestown Bridge	10,000 00	Oct.,	"	
Chap. 548, Acts of 1894.....	3½	Jan. and July....	Rapid Transit.....	250,000 00	Jan.,	1936	2,760,000 00
Chap. 548, Acts of 1894.....	3½	April and Oct....	Rapid Transit..	\$500,000 00	April,	1936	
May 11, 1895.....	4	Jan. and July....	Blue Hill and other avenues.....	1,000,000 00	July,	"	
Chap. 548, Acts of 1894.....	4	"	Charlestown Bridge.....	30,000 00	"	"	
Chap. 548, Acts of 1894.....	4	April and Oct....	"	100,000 00	Oct.,	"	
Chap. 548, Acts of 1894.....	3½	"	Rapid Transit.....	1,500,000 00	"	"	
July 13, 1896.....	4	"	Stony Brook Improvement.....	100,000 00	"	"	
May 11, 1895.....	3½	Jan. and July....	Blue Hill and other avenues.....	500,000 00	Jan.,	1937	
Jan. 4, 1887... }	3½	"	Public Park Construction.....	500,000 00	"	"	4,230,000 00
Feb. 10, 1887... }							
July 13, 1896, } Chap. 530, Acts of 1896.....	3½	Jan. and July....	Stony Brook Improvement Scrip.....	\$300,000 00	July,	1937	
Chap. 548, Acts of 1894.....	3½	"	Rapid Transit.....	1,000,000 00	"	"	
Chap. 548, Acts of 1894.....	3½	"	Charlestown Bridge.....	500,000 00	"	"	
Chap. 548, Acts of 1894.....	3½	"	"	300,000 00	Jan.,	1938	
Chap. 548, Acts of 1894.....	3½	"	Rapid Transit.	200,000 00	"	"	
July 13, 1896, } Chap. 530, Acts of 1896.....	3½	"	Stony Brook Improvement Scrip.....	100,000 00	"	"	2,400,000 00
Sect. 37, Chap. 548, Acts of 1894.....	3½	April and Oct....	Rapid Transit.....	\$200,000 00	April,	1938	
Sect. 18, Chap. 500, Acts of 1897.....	3½		Blue Hill and other avenues.....	200,000 00	July,	"	
Sect. 1, Chap. 236, Acts of 1898.....	3½	Jan. and July....	Carried forward	\$409,000 00	.....		\$55,574,855 00

STATEMENT OF THE CITY OF BOSTON FUNDED DEBT.—*Concluded.*

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
Sect. 2, Chap. 347, Acts of 1897.....	3½	April and Oct....	<i>Brought forward</i>	\$409,000 00	.....	\$55,574,855 00
Sect. 11, Chap. 467, Acts of 1898.....	3½	" "	Market or other Public Purposes.....	616,000 00	Oct., 1938	
Sect. 1, Chap. 236, Acts of 1898.....	3½	" "	Cambridge Bridge Loan.....	50,000 00	" "	
Sect. 4, Chap. 397, Acts of 1899.....	3½	" "	Blue Hill and other avenues.....	541,000 00	" "	1,616,000 00
Sect. 37, Chap. 548, Acts of 1894.....	3½	Jan. and July....	Stony Brook Improvement	\$350,000 00	July, 1939	
Sect. 11, Chap. 467, Acts of 1898.....	3½	" "	Charlestown Bridge.....	200,000 00	" "	
Sect. 11, Chap. 467, Acts of 1898.....	3½	" "	Cambridge Bridge.....	100,000 00	" "	
Sect. 37, Chap. 548, Acts of 1894.....	3½	" "	" "	200,000 00	Jan., 1940	
Sect. 18, Chap. 500, Acts of 1897.....	3½	" "	Charlestown Bridge.....	200,000 00	" "	1,050,000 00
Sect. 37, Chap. 548, Acts of 1894.....	3½	" "	Rapid Transit.....	\$50,000 00	July, 1940	
			Charlestown Bridge.....	200,000 00	" "	250,000 00
						\$58,490,855 00

STATEMENT OF DEBT ISSUED UNDER AUTHORITY OF CHAPTER 323, ACTS OF 1891, AND ACTS
IN ADDITION TO THE SAME. — JANUARY 31, 1901.

FROM CITY TREASURER'S BOOKS

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
May 20, 1891....	4	June and Dec....	Laying-Out and Construction of Highways.....	\$50,000 00	June, 1901	\$50,000 00
May 20, 1891....	4	April and Oct....	" " " "	\$25,800 00	April, 1902	25,800 00
May 20, 1891....	4	Jan. and July....	Laying-Out and Construction of Highways.....	\$31,000 00	July, 1912	424,200 00
" "	4	April and Oct....	" " " "	243,200 00	" " "	
" "	4	Jan. and July....	" " " "	150,000 00	Jan., 1913	
Feb. 15, 1893....	4	Jan. and July....	Laying-Out and Construction of Highways.....	\$350,000 00	July, 1913	500,000 00
" "	4	April and Oct....	" " " "	150,000 00	" " "	
Dec. 30, 1893....	4	April and Oct....	Laying-Out and Construction of Highways.....	\$200,000 00	April, 1914	500,000 00
" "	4	Jan. and July....	" " " "	300,000 00	July, "	
June 25, 1894....	4	Jan. and July....	Laying-Out and Construction of Highways.....	\$500,000 00	July, 1915	1,350,000 00
June 25, 1894....	4	Jan. and July....	Laying-Out and Construction of Highways.....	\$150,000 00	Jan., 1916	
" "	4	" " " "	" " " "	350,000 00	" " "	
Jan. 1, 1896....	4	" " " "	" " " "	350,000 00	" " "	
" "	3½	" " " "	" " " "	150,000 00	Jan., 1917	
Oct. 24, 1896....	3½	" " " "	" " " "	350,000 00	" " "	150,000 00
Oct. 24, 1896, Chap. 323, Acts of 1891..	4	Jan. and July....	Laying-Out and Construction of Highways.....	\$150,000 00	July, 1917	
Chap. 418, Acts of 1892.....						200,000 00
Chap. 323, Acts of 1891.....	3½	April and Oct....	Laying-Out and Construction of Highways.....	\$200,000 00	Oct. 1, 1918	
			Carried forward.....	.....	.....	\$3,700,000 00

STATEMENT OF DEBT, ETC.—Concluded.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Year.
	Rate.	When Due.				
Sect. 1, Chap. 443, Acts 1899, Chap. 319, Acts of 1897.....	3½	Jan. and July....	<i>Brought forward</i>.....	.....	.....	\$3,700,000 00
Chap. 346, Acts of 1897.....	3½	Jan. and July....	Laying-Out and Construction of Highways	\$825,000 00	July, 1919	825,000 00
Chap. 323, Acts of 1891.....	3½	Jan. and July....	Laying-Out and Construction of Highways.....	\$750,000 00	Jan., 1928	750,000 00
Chap. 319, Acts of 1898.....	3½	Jan. and July. . .	Laying-Out and Construction of Highways (Charlestown street)...	\$5,000 00	July, 1928	
Chap. 319, Acts of 1898.....	3½	April and Oct....	“ “ “ “	606,000 00	Oct., “	
Chap. 319, Acts of 1898.....	3½	Jan. and July....	“ “ “ “	650 00	Jan., 1929	611,650 00
Board of Est. and Appor., Jan. 28, 1899...	3½	April and Oct ...	Laying-Out and Construction of Highways.....	\$99,800 00	April, 1929	
Sect. 1, Chap. 346, Acts 1897,	3½	“ “	Laying-Out and Construction of Highways (Charlestown street) ...	35,000 00	Oct., “	
Sect. 1, Chap. 346, Acts 1897,	3½	Jan. and July....	Laying-Out and Construction of Highways (Charlestown street)...	125,000 00	Jan., 1930	
Sect. 1, Chap. 319, Acts 1897,	3½	“ “	“ “ “ “	518,000 00	“ “	777,800 00
Sect. 1, Chap. 319, Acts 1897,	3½	Jan. and July....	Laying-Out and Construction of Highways.....	\$461,000 00	July, 1930	
Sect. 1, Chap. 319, Acts 1897,	3	“ “	“ “ “ “	3,550 00	“ “	
Sect. 1, Chap. 443, Acts 1899,	3½	“ “	“ “ “ “	200,000 00	“ “	
Sect. 1, Chap. 443, Acts 1899,	3	“ “	“ “ “ “	150,000 00	Jan., 1931	
Sect. 1, Chap. 346, Acts 1897,	3	“ “	Laying-Out and Construction of Highways (Charlestown street)....	183,000 00	“ “	997,550 00
						\$7,662,000 00

STATEMENT OF COUNTY OF SUFFOLK FUNDED DEBT, JANUARY 31, 1901.
FROM CITY TREASURER'S BOOKS.

Dates of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
Sept. 16, 1885....	3	April and Oct....	COUNTY OF SUFFOLK FUNDED DEBT. Suffolk County Court-house Suffolk County Court-house Suffolk County Court-house Suffolk County Court-house Suffolk County Court-house, Furnishing Suffolk County Court-house ... Suffolk County Court-house Suffolk County Court-house Suffolk County Court-house	\$595,000 00	Oct., 1918	\$595,000 00
July 5, 1888.. } Sept. 29, 1888.. }	4	April and Oct....		\$700,000 00		700,000 00
Jan. 3, 1890....	3½	April and Oct. ...		\$800,000 00	Oct., 1919	800,000 00
Aug. 25, 1892....	4	Jan. and July....		\$306,000 00	July, 1922	
July 11, 1892....	4	" "		100,000 00	" " ..	406,000 00
Oct. 27, 1893....	4	April and Oct....		\$75,000 00	Oct., 1923	
July 6, 1894....	4	Jan. and July....		\$40,000 00	July, 1924	75,000 00
May 20, 1887 ..	3½	April and Oct....		\$800,000 00	April, 1937	40,000 00
July 5, 1888 ..	3½	Jan. and July ...		\$100,000 00	July, 1938	800,000 00
						100,000 00
						\$3,516,000 00

¹ Payable \$17,000, yearly in October to 1935, inclusive.

STATEMENT OF COCHITUATE WATER DEBT, JANUARY 31, 1901.

FROM CITY TREASURER'S BOOKS.

In Addition to the City and County Debts, as heretofore stated, there exist Loans made on account of the Cochituate Water-Works, viz.:

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Financial Years.
	Rate.	When Due.				
April 26, 1872....	5	April and Oct....	Renewal of Loan, due 1872-73 (£399,500 sterling).....	\$1,947,273 98	Oct., 1902	\$1,947,273 98
April 11, 1873....	6	April and Oct....	Additional Supply of Water.....	\$492,000 00	April, 1903	
June 6, "....	6	" " "....	Parker-Hill Reservoir.....	161,000 00	" " "	
" " "....	6	" " "....	Water-Works, Wards 13, 14, 15 and 16.....	115,000 00	" " "	913,000 00
Dec. 20, "....	6	" " "....	Water-Works.....	137,000 00	Jan., 1904	
April 11, "....	6	Jan. and July....	Additional Supply of Water.....	8,000 00	" " "	
Dec. 24, 1874....	6	Jan. and July....	Water-pipes, Wards 17 and 19.....	\$3,000 00	Jan., 1905	3,000 00
Dec. 24, 1874....	6	April and Oct....	Water-pipes, Wards 17 and 19.....	\$10,000 00	April, 1905	
April 30, 1875....	6	" " "....	" " "....	43,700 00	" " "	
Feb. 26, "....	6	Jan. and July....	Additional Supply of Water.....	10,000 00	July, "	1,152,250 00
" " "....	5	April and Oct....	" " "....	1,000,000 00	Oct., "	
April 30, 1875....	6	" " "....	Water-Works, Wards 17 and 19.....	6,000 00	Jan., 1906	
" " "....	6	Jan. and July....	" " "....	50,300 00	" " "	2,572,750 00
Dec. 31, "....	6	" " "....	" " "....	32,250 00	April, 1906	
Dec. 31, 1875....	5	April and Oct....	Water-Works, Wards 17 and 19.....	\$100,000 00	" " "	
" " "....	6	" " "....	" " "....	8,750 00	" " "	8,000 00
Feb. 26, "....	5	" " "....	Additional Supply of Water.....	452,000 00	Oct., "	
Dec. 31, 1876....	6	" " "....	Water-Works, Wards 17 and 19.....	4,000 00	Jan., 1907	
July 1, 1876....	5	" " "....	Additional Supply of Water.....	2,000,000 00	April, 1907	7,000 00
Dec. 31, 1875....	6	Jan. and July....	Water-Works, Wards 17 and 19.....	8,000 00	July, "	
Dec. 31, 1875....	6	April and Oct....	Water-Works, Wards 17 and 19.....	\$5,000 00	Oct., "	
" " "....	6	Jan. and July....	" " "....	1,000 00	" " "	7,000 00
" " "....	5	April and Oct....	" " "....	1,000 00	" " "	

April 20, 1878....	5	April and Oct....	Additional Supply of Water.....	\$12,000 00	April, 1908	12,000 00
April 11, 1879....	4	Jan. and July....	Additional Supply of Water.....	\$82,000 00	July, 1909	
" " "....	4½	April and Oct....	" " ".....	268,000 00	Oct., "	
Mar. 20, 1880....	4	April and Oct....	New Main.....	\$280,000 00	April, 1910	350,000 00
Aug. 17, 1881....	4	April and Oct....	Additional Supply of Water.....	\$324,000 00	April, 1912	280,000 00
June 2, 1883....	4	April and Oct....	Additional Supply of Water.....	\$56,000 00	Oct., 1913	324,000 00
" " "....	4	Jan. and July....	" " ".....	209,000 00	Jan., 1914	
Jan. 4, 1884....	4	" " "....	Introduction of Meters and Inspection.....	250,000 00	" "	
June 2, 1883....	4	April and Oct....	Additional Supply of Water.....	\$18,500 00	April, 1914	515,000 00
" " "....	4	" " "....	" " ".....	16,000 00	Oct., "	
Dec. 23, 1884....	4	April and Oct....	High Service.....	\$44,200 00	April, 1915	34,500 00
June 2, 1883....	4	" " "....	Additional Supply of Water.....	1,500 00	" "	
Dec. 23, 1884....	4	" " "....	High Service.....	23,000 00	Oct., "	
" " "....	4	Jan. and July....	" " ".....	8,000 00	Jan., 1916	76,700 00
Dec. 23, 1884....	4	April and Oct....	High Service.....	\$28,500 00	April, 1916	
" " "....	4	" " "....	" " ".....	11,300 00	Oct., "	
" " "....	4	Jan. and July....	" " ".....	21,000 00	Jan., 1917	60,800 00
Dec. 23, 1884....	4	April and Oct....	High Service.....	\$6,000 00	April, 1917	
May 25, "....	3½	" " "....	Additional Supply of Water.....	35,000 00	" "	
" " "....	3½	" " "....	Improvement of Lake Cochituate.....	40,000 00	" "	
" " "....	3½	" " "....	Protection of Water Supply.....	50,000 00	" "	
" " "....	3½	" " "....	Extension of Mains, etc.....	150,000 00	" "	
Dec. 23, 1884....	4	Jan. and July....	High Service.....	7,000 00	July, "	
" " "....	4	April and Oct....	" " ".....	10,700 00	Oct., "	
Oct. 15, 1887....	4	" " "....	Extension of Mains, etc.....	150,000 00	" "	
Dec. 23, 1884....	4	Jan. and July....	High Service.....	20,000 00	Jan., 1918	468,700 00
Dec. 23, 1884....	4	April and Oct....	High Service.....	\$6,300 00	April, 1918	
June 4, 1888....	3½	Jan. and July....	Extension of Mains, etc.	100,000 00	July, "	
Sept. 29, "....	4	April and Oct....	" " ".....	100,000 00	Oct., "	206,300 00
April 15, 1889....	4	April and Oct....	Extension of Mains, etc.	\$200,000 00	April, 1919	
Nov. 13, "....	3½	" " "....	Additional Supply of Water	145,000 00	Oct., "	
			<i>Carried forward.....</i>	\$345,000 00	.....	\$8,923,273 98

STATEMENT OF THE INDEBTEDNESS OF THE CITY OF BOSTON.

The Total Amount of the Funded Debt of the City, County and Water Debt, January 31, 1901, made up of the following items:

City Debt:		
City Debt Proper.....	\$35,119,555 00	
Overdue and unpaid.....	1,000 00	
Charlestown Bridge (Rapid Transit).....	1,550,000 00	
Laying-Out and Construction of Highways.....	7,662,000 00	
Blue Hill and other avenues.....	3,250,000 00	
Rapid Transit.....	4,750,000 00	
Public Parks.....	13,820,300 00	
		\$66,152,855 00
County of Suffolk, Debt.....		3,516,000 00
Water Debt.....		11,960,273 98
Total Funded Debt.....		\$81,629,128 98
Total Funded Debt as above.....		\$81,629,128 98
Less Sinking-Funds as follows:		
New Public Library, Special.....	\$753,941 51	
Thirty-year.....	50,394 74	
Twenty-year.....	7,103,134 46	
Ten-year.....	1,061,735 99	
Five-year.....	94,519 95	
Public Park.....	1,222,276 62	
Public Park, Special.....	2,209,052 11	
Cambridge Bridge.....	32,120 50	
New Cambridge Bridge.....	87,857 06	
Stony Brook Improvement.....	219,710 77	
Market or other Public Purposes.....	16,823 28	
Improved Sewerage, Special.....	248,246 48	
New Ferry Landing.....	60,774 75	
Laying-Out and Construction of Highways, No. 1....	373,494 55	
Laying-Out and Construction of Highways, No. 2....	645,562 36	
Rapid Transit.....	454,582 49	
Rapid Transit, Charlestown Bridge, No. 1....	59,520 96	
Rapid Transit, Charlestown Bridge, No. 2.....	73,173 39	
Blue Hill and other avenues	344,043 32	
School-houses, No. 1.....	35,787 55	
School-houses, No. 2.....	183,485 72	
South Union Station, No. 1.....	1,230,941 01	
South Union Station, No. 2.....	59,406 92	
Suffolk County Court-House.....	612,324 12	
Sewerage Loan.....	402,568 66	
Moneys for reduction of Debt.. ..	408 88	
Cochituate Water.....	10,144,647 08	
		27,780,535 23
Less in hands of City Treasurer to redeem matured debt.....		\$53,848,593 75
		1,000 00
Net debt January 31, 1901.....		\$53,847,593 75
Divided as follows:		
City Debt Proper.....	\$33,026,596 54	
Rapid Transit Debt.....	4,295,417 51	
Rapid Transit, Charlestown Bridge Debt.....	1,417,305 65	
County Suffolk Debt.....	2,903,675 88	
Water Debt.....	1,815,626 90	
Public Parks.....	10,388,971 27	
		\$53,847,593 75

INTEREST PAYABLE ON FUNDED DEBT DURING FINANCIAL YEAR 1901-1902.

CLASS OF LOANS.	1901. April.	1901. May.	1901. June.	1901. July.	1901. Oct.	1901. Nov.	1901. Dec.	1902. Jan.	Totals.
City Proper.....	\$428,156	\$4,470	\$15,253	\$429,895	\$429,261	\$4,470	\$15,253	\$430,119	\$1,756,877
Laying-Out and Construction of Highways.....	28,844	.....	1,000	110,900	28,844	.....	.....	110,900	280,488
Blue Hill and other avenues.....	9,467	.....	.....	52,408	9,467	.....	.....	52,408	123,750
Rapid Transit.....	59,500	.....	.....	26,250	59,500	.....	.....	26,250	171,500
Sewerage Loan.....	19,408	.....	.....	50,592	19,408	.....	.....	50,592	140,000
County of Suffolk.....	52,425	.....	.....	10,670	52,425	.....	.....	10,670	126,190
Cochituate Water.....	\$597,800	\$4,470	\$16,253	\$680,715	\$598,905	\$4,470	\$15,253	\$680,939	\$2,598,805
Cochituate Water, Sterling Loan.....	195,764	2,275	.....	28,342	195,764	2,275	.....	28,342	452,762
	*48,939	.....	.....	.....	*48,939	.....	.....	.....	97,878
	\$842,503	\$6,745	\$16,253	\$709,057	\$843,608	\$6,745	\$15,253	\$709,281	\$3,149,445

*Interest payable in London.

TOTAL RECEIPTS AND PAYMENTS OF TREASURY DEPARTMENT FOR NINETEEN YEARS SIX AND A HALF MONTHS.

Statement of the Receipts and Payments made during the Administration of the office of City and County Treasurer, by Alfred T. Turner, from July 16, 1881, to January 31, 1901, both inclusive, — nineteen years six and a half months, with a recapitulation on page 42 viz.:

Year.	Balance on hand	Receipts.	Payments.	Total Receipts and Payments.
1881-82.....	At commencement of first year in office, July 16, 1881: \$981,918 71 At the commencement of each financial year:	\$15,769,449 12	\$14,686,058 76	\$30,455,507 88
1882-83.....	\$2,065,309 07	20,632,553 78	20,133,849 30	40,766,403 08
1883-84.....	2,564,013 55	22,952,591 92	21,482,406 12	44,434,998 04
1884-85.....	4,034,199 35	19,164,994 71	19,870,230 82	39,035,225 53
1885-86.....	3,328,963 24	18,897,230 39	19,207,390 10	38,104,620 49
1886-87.....	3,018,803 53	20,601,313 60	19,539,436 04	40,140,749 64
1887-88.....	4,080,681 09	20,411,011 08	20,702,358 96	41,113,370 04
1888-89.....	3,789,333 21	22,940,943 25	23,671,438 95	46,612,382 20
1889-90.....	3,058,837 51	25,075,514 96	22,903,033 20	47,978,548 16
1890-91.....	5,231,319 27	22,296,312 93	22,574,312 36	44,870,625 29
{ Nine months, May 1, 1891, to Jan. 31, 1892.				
{ 1891-92.....	4,953,319 84	19,696,853 37	21,549,375 42	41,246,228 79 }
1892-93.....	3,100,797 79	29,083,217 95	29,965,097 07	59,048,315 02
1893-94.....	2,218,918 67	37,598,979 09	36,844,214 19	74,443,193 28
1894-95.....	2,973,683 57	32,833,603 12	32,400,898 96	65,234,502 08
1895-96.....	3,406,387 73	32,637,998 28	32,497,606 34	65,135,604 62
1896-97.....	3,546,779 67	36,742,624 80	35,495,554 26	72,238,179 06
1897-98.....	4,793,850 21	37,600,127 68	38,299,625 23	75,899,752 91
1898-99.....	4,094,352 66	40,587,085 24	40,203,678 34	80,790,763 58
1899-1900.....	4,477,759 56	41,269,483 10	40,629,608 82	81,899,091 92
1900-1901.....	5,117,633 84	43,519,447 26	45,391,700 41	88,911,147 67
		\$560,311,335 63	\$558,047,873 65	\$1,118,359,209 28
Cash balance July 16, 1881.....				\$981,918 71
Receipts July 16, 1881, to January 31, 1901.....				560,311,335 63
				\$561,293,254 34
Payments July 16, 1881, to January 31, 1901.....				558,047,873 65
Cash balance January 31, 1901.....				\$3,245,380 69

Recapitulation of the Receipts and Payments for Nineteen Years six and one-half months ending January 31, 1901, during the term of Alfred T. Turner, City Treasurer, from July 16, 1881, to January 31, 1901.

CITY OF BOSTON AND COUNTY OF SUFFOLK.

Receipts.	Payments.
<u>\$560,311,335 63</u>	<u>\$558,047,873 65</u>

Board of Commissioners of the Sinking-Funds of City of Boston, receipts and payments during the same period.

Receipts.	Payments.
<u>\$118,644,570 13</u>	<u>\$115,978,593 10</u>

Total Transactions, City, County, and Sinking-Funds, nineteen years six and a half months,	Receipts . . .	\$678,955,905 76
	Payments . . .	674,026,466 75

Total	\$1,352,982,372 51
-----------------	--------------------

RECAPITULATION.

Cash balance, July 16, 1881, City and County account	\$981,918 71
Cash balance, July 16, 1881, Sinking-Funds account	1,365,928 20

\$2,347,846 91

Total receipts, City and County account and Sinking-Funds account, July 16, 1881, to January 31, 1901	\$678,955,905 76
---	------------------

Total payments, City and County account and Sinking-Funds account, July 16, 1881, to January 31, 1901	674,026,466 75
---	----------------

4,929,439 01

\$7,277,285 92

CASH BALANCE, JANUARY 31, 1901.

Cash balance, January 31, 1901, belonging to City of Boston, general City account	\$3,245,380 69
Sinking-Funds account	4,031,905 23

\$7,277,285 92

APPENDIX.

The City Treasurer had in his possession, January 31, 1901, as treasurer and as custodian, the following trust funds, viz:

BABCOCK MUSIC FUND.

By the will of ARCHIBALD BABCOCK, who died August 10, 1862, the sum of \$3,000 was bequeathed to the City of Charlestown, and accepted by the City Council of that city, November, 1862, upon the conditions and for the purposes expressed by him in his last will and testament:

"The income to be annually expended in procuring the services of musicians, or of a band or bands of musicians, to perform in public in the City of Charlestown, within its present limits, free to all its citizens, one-half of said income to be annually expended in procuring musicians, or band or bands of musicians, to play on or near the small common at the 'Neck,' so called, at the corner of Main and Cambridge streets, preference to be given to citizens of Charlestown, due regard being had as to ability and quality."

Deposits in the Charlestown Five-Cents Savings Bank	\$3,000 00
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CITY HOSPITAL FUNDS.

BALL FUND. — Bequest of JONAS BALL, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1919, interest at four per cent. per annum	\$1,000 00
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BURRELL ETHER PRIZE FUND. — Amount received from TOWNSEND WILLIAM THORNDIKE as follows: "I hereby give to the Trustees of the Boston City Hospital the sum of \$1,000, to found the 'Herbert L. Burrell Ether Prize Fund.' From the interest of this fund I desire that money prizes shall be given semi-annually to the surgical house officer, who administers ether or other anæsthetic in the most skilful and humane manner. Only surgical house officers of the Boston City Hospital shall be eligible to compete. The award is to be made by three judges, these to be appointed by the senior surgeon and the superintendent of the hospital. In case no house officer is considered worthy of the prize, the interest shall be added to the principal. Should the principal increase to such an amount as shall be considered sufficient to warrant the offering of a second prize of lesser amount, such second prize shall be established, and shall be known as the 'William H. Thorndike Ether Prize Fund.' The sixteenth day of October being the anniversary of the discovery of anæsthesia, that date shall be one of the days on which a prize shall be awarded."

Invested in one certificate of indebtedness of City of Boston, due January 1, 1917, interest at four per cent. per annum	\$1,000 00
---	------------

CHEEVER FUND. — Donations by Dr. DAVID W. CHEEVER, one of two thousand dollars accepted by the Trustees, March 20, 1889, the other of one thousand dollars received by City Treasurer, May 1, 1897, the income of both to be expended as per following extract from his letter, and as per letter from Trustees of City Hospital, April 24, 1897:

"To purchase and present to each house surgeon when his term of service expires a small case (pocket case) of surgical instruments as a gift from me."

Invested in certificates of indebtedness of City of Boston with rates of interest as follows:

One due April 1, 1917, four per cent. per annum . . .	\$1,000 00
One due January 1, 1919, four per cent. per annum . . .	2,000 00
	\$3,000 00

SILAS DURKEE FUND. — Bequest of the late SILAS DURKEE, of Boston, explained by the following extract from his will. "All the rest and residue of my estates and property I give, devise, and bequeath to the City of Boston, to have and to hold the same to said City of Boston, and its successors . . . in trust, for the benefit of the Boston City Hospital forever." Received June 15, 1900 from A. S. Wheeler, Trustee, through the Trustees of the City Hospital, \$15,050.

Invested in one certificate of indebtedness of the City of Boston, due July 1, 1930, interest at three per cent. per annum, \$15,050 00

DANIEL S. FORD FUND. — Bequest of the late DANIEL S. FORD, of Boston, the same to be known as the "Daniel S. Ford Fund," and the interest of the same to be used for the purposes of the Hospital.

Received from William A. Munroe, Seth Mendell, and Henry Hinckley, Executors of estate of Daniel S. Ford, through Trustees of the City Hospital, August 29, 1900, \$6,000.

Invested in one certificate of indebtedness of the City of Boston due October 1, 1930, interest at three per cent. per annum, \$6,000 00

GOODNOW FUND. — A bequest of ELISHA GOODNOW, of South Boston, who died in 1851. By his will the city came into possession of certain real estate on Cross street and Third street, for the purpose of establishing a hospital for the sick, one-half of said funds to be applied for the establishment and maintenance of free beds, which should always be at the disposal and under the control of the officers of the government of said hospital for the time being. The proceeds from the sale of these estates and accumulated interest were invested in certificates of indebtedness of City of Boston, with rates of interest as follows:

One due April 1, 1906, six per cent. per annum . . .	\$1,000 00
One due April 1, 1913, four per cent. per annum . . .	16,500 00
One due April 1, 1915, four per cent. per annum . . .	4,500 00
One due October 1, 1917, four per cent. per annum . . .	4,000 00
	\$26,000 00

GOODNOW LIBRARY FUND. — Donation of GEORGE GOODNOW, the interest of which is to be expended annually by the Board of Trustees in replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum . \$1,000 00

HEMMENWAY FUND. — Donation of Mrs. ELLEN L. HEMMENWAY, for the support of a free bed in the City Hospital in memory of her late husband, Charles P. Hemmenway.

Invested in one certificate of indebtedness of City of Boston, due October 1, 1923, interest at four per cent. per annum, \$5,000 00

MORRIS LOUIS FUND. — Bequest of the late MORRIS LOUIS of New York, to the City Hospital for such disposition as the Trustees may deem best. Received from Zennette Louis and Leopold Louis, Executors of the estate of Morris Louis, February 3, 1900, \$250.

Cash in City Treasury	\$250 00
	<u> </u>

NICHOLS FUND. — Bequest of LAWRENCE NICHOLS, who died in September, 1862, of \$1,000, less internal-revenue tax, "towards the establishment and endowment of a City Hospital," and from the executor of the will as a residuary legatee, \$530.50. These amounts and accumulated interest were invested in

One certificate of indebtedness of City of Boston, due July 1, 1907, interest at six per cent. per annum	\$1,000 00
One certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum	1,000 00
	<u> </u>
	\$2,000 00
	<u> </u>

NORCROSS FUND. — Donation of OTIS NORCROSS, formerly Mayor of the city, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due October 1, 1917, interest at four per cent. per annum, ...	\$2,000 00
	<u> </u>

PERKINS FUND. — Bequest of MARY G. PERKINS, the income of which is to be expended for Medical Library and artificial limbs and surgical appliances, for the use of patients leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1919, interest at four per cent. per annum, ...	\$7,500 00
	<u> </u>

SHAW FUND. — Bequest of MARY LOUISA SHAW, the income of which is to be expended by the Trustees for the purchase of flowers and fruit for the use and comfort of the patients in the hospital.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1905, interest at six per cent. per annum	\$2,000 00
	<u> </u>

WYMAN BUILDING FUND. — Amount received November 10, 1898, from A. F. Estabrook and C. H. Watson, executors of the estate of Thomas T. Wyman, late of Boston, deceased, through the Trustees of the Boston City Hospital, on account of bequest to the Boston City Hospital, under the will of said Thomas T. Wyman, deposited with the Treasurer of the City of Boston, to be taken by him as the Wyman Building Fund, and to be appropriated by the Trustees of the Boston City Hospital, under the terms of said will.

Amount received as above	\$65,000 00
" " April 13, 1899	50,000 00
" " June 9, 1899	4,720 40
	<u> </u>
	\$119,720 40
Interest on deposit to January 1, 1901	4,382 95
	<u> </u>
	\$124,103 35
Paid on Mayor's drafts, expenses erecting building	36,912 14
	<u> </u>
Amount of fund January 31, 1901, deposited in Colonial National Bank	\$87,191 21
	<u> </u>

RECAPITULATION OF CITY HOSPITAL TRUST FUNDS.

Ball Fund	\$1,000 00
Burrell Ether Prize Fund	1,000 00
Cheever Fund.	3,000 00
Silas Durkee Fund	15,050 00
Daniel S. Ford Fund	6,000 00
Goodnow Fund	26,000 00
Goodnow Library Fund	1,000 00
Hemmenway Fund.	5,000 00
Morris Louis Fund	250 00
Nichols Fund	2,000 00
Norcross Fund	2,000 00
Perkins Fund	7,500 00
Shaw Fund	2,000 00
	\$71,800 00
Thomas T. Wyman Bequest	87,191 21
	<u>\$158,991 21</u>

DORCHESTER NORTH BURIAL GROUND TRUST FUND.

Amount paid by the owners of lots in Dorchester North Burial Ground, the income of which is to be expended for the perpetual care of said lots.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows :

One due January 1, 1930, three and one-half per cent. per annum	\$500 00
One due July 1, 1930, three per cent. per annum	100 00
	\$600 00
Cash in City Treasury	13 00
	<u>\$613 00</u>

DORCHESTER SOUTH CEMETERY TRUST FUND.

Amount paid by the owners of lots in Dorchester South Cemetery, the income of which is to be expended for the perpetual care of said lots. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows :

One due April 1, 1913, four per cent. per annum	\$300 00
One due January 1, 1916, four per cent. per annum	100 00
One due July 1, 1930, three per cent. per annum	100 00
	\$500 00
Cash in City Treasury	30 00
	<u>\$530 00</u>

EVERGREEN CEMETERY FUND.

Amount paid by the owners of lots in Evergreen Cemetery, the income of which is to be expended for the perpetual care of lots. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows :

One due April	1, 1902, four per cent. per annum . . .	\$800 00
One due October	1, 1907, four per cent. per annum . . .	500 00
One due July	1, 1909, three and one-half per cent. per annum . . .	500 00
One due April	1, 1913, four per cent. per annum . . .	200 00
One due October	1, 1914, four per cent. per annum . . .	500 00
One due January	1, 1916, four per cent. per annum . . .	100 00
One due October	1, 1917, four per cent. per annum . . .	500 00
One due January	1, 1918, three and one-half per cent. per annum . . .	300 00
One due July	1, 1919, three and one-half per cent. per annum . . .	100 00
One due November	15, 1919, three and one-half per cent. per annum . . .	200 00
One due October	1, 1923, four per cent. per annum . . .	800 00
One due October	1, 1923, four per cent. per annum . . .	100 00
One due January	1, 1930, three and one-half per cent. per annum . . .	1,100 00
One due July	1, 1930, three per cent. per annum . . .	350 00
One due October	1, 1930, three per cent. per annum . . .	100 00
		\$6,150 00
Cash in City Treasury		267 75
		<u>\$6,417 75</u>

FOSS SEVENTEENTH OF JUNE AND FLAG FUNDS.

The City Council of the City of Charlestown, in August, 1866, accepted the bequest made in the will of JACOB FOSS, who died in Charlestown, June 2, 1866, the income of which is to be expended for the following purposes :

Celebrating the anniversary of the Battle of Bunker Hill, for either or all of the following purposes, viz. : "*Ringing the bells, firing salutes, music, or decorating the streets.*"

Invested in one certificate of indebtedness, City of Boston,
due October 1, 1917, interest at four per cent. per annum . \$ 2,000 00

Purchasing "United States flags for the use of the late City of Charlestown within its present limits; the flags so purchased to be used on all proper occasions, so that not more than two years' purchases shall be on hand at any time."

Invested in one certificate of indebtedness, City of Boston,
due October 1, 1917, interest at four per cent. per annum, \$2,000 00

JOHN FOSTER TRUST FUND.

Received October 14, 1898, from Charles U. Cotting and Herbert Nash, surviving executors of the will of JOHN FOSTER, deceased, late of Boston, thirty thousand (30,000) dollars. Said amount to be devoted to the object as set forth in the will of said Foster, viz. : "I give and bequeath to the City of Boston thirty thousand (30,000) dollars, or so much as may be necessary for the purpose of erecting a monumental statue of the late Reverend William Ellery Channing, with a canopy over the same, to be placed in the Public Garden opposite the Arlington Street Church."

Amount received as above \$30,000 00
Interest on deposit to January 1, 1901 1,357 14

Amount of Fund January 31, 1901, deposited in Mechanics
National Bank \$31,357 14

FRANKLIN TRADES SCHOOL FUND.

The following is a copy of an order passed at a meeting of the Managers of the Franklin Fund, December 28, 1893:

Ordered, That the sum set apart from the general Franklin Fund as due to the City of Boston, on July 1, 1893, viz.: \$322,490.20 with its accumulations, be paid by the Treasurer of the Fund in January next to the City Treasurer, to constitute a special fund for the purchase of land, and for the erection thereon of the Franklin Trades School, and the equipment of the same; said expenditures to be made under the direction of such department as may for the time being be charged by the Statutes and Ordinances with the duty of erecting and furnishing public buildings in the City of Boston. The location of and plans for said school to be approved by the Board of Managers of said fund.

Attest:

JOHN P. BRAWLEY, *Acting Clerk.*

Received January 17, 1894, according to above order, from S. F. McCleary, Treasurer of the Franklin Fund, as follows:

City's portion of the fund to January 17, 1894	\$328,940 00	
Interest to January 17, 1894	360 48	
		\$329,300 48
Interest on deposit to January 1, 1901	48,987 05	
		\$378,287 53
Mayor's Special Draft for expenses of Managers		
visiting trade schools in other cities	\$1,800 00	
Less not expended, returned	514 42	
		\$1,285 58
Paid on Mayor's Drafts, miscellaneous expenses, ...	858 32	
		2,143 90
Amount of fund, January 31, 1901, deposited in Second		
National Bank	\$376,143 63	

GEORGE B. HYDE FUND.

Amount received from executor of estate of GEORGE B. HYDE; being a legacy from said GEORGE B. HYDE, for the purpose of erecting a statue of Rufus Choate, and providing a suitable pedestal and foundation for the same. The amount of legacy, fourteen thousand dollars, with the income thereof, by order of the City Council to be invested, and on order of the Mayor, to be applied to the purchase and erection of said statue.

Amount of funds, invested in City bonds, February 1, 1896	\$14,000 00	
July 21, 1896, sold one bond of \$1,000 at \$107	\$1,000 00	
December 1, 1897, sold two bonds of \$2,000 each at \$114.25 and interest	4,000 00	
December 1, 1897, sold one bond of \$1,000 at \$114.25 and interest	1,000 00	
February 21, 1899, sold two bonds, \$2,000 each, and two bonds \$1,000 each at \$117 and interest	6,000 00	
		12,000 00
Leaving invested	\$2,000 00	
Add proceeds of bonds sold	13,802 50	
		\$15,802 50
Carried forward		

<i>Brought forward</i>	\$15,802 50
Interest received on investment	2,013 45
Expended for erection of statue	\$17,815 95
	14,000 00
Amount of fund, January 31, 1901	<u>\$3,815 95</u>

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

Two due, January 1, 1925, four per cent. per annum, \$1,000 each	\$2,000 00
Cash in City Treasury	1,915 95
	<u>\$3,915 95</u>

MOUNT HOPE CEMETERY FUND.

Amounts paid by owners of lots in Mount Hope Cemetery, the income from which is to be expended by the trustees for the perpetual care of lots. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due April 1, 1902, four per cent. per annum	\$2,500 00
One due October 1, 1902, four per cent. per annum	2,000 00
One due January 1, 1903, four per cent. per annum	500 00
One due October 1, 1903, four per cent. per annum	1,000 00
One due January 1, 1905, six per cent. per annum	1,000 00
One due April 1, 1906, six per cent. per annum	1,000 00
One due October 1, 1907, five per cent. per annum	1,000 00
One due October 1, 1911, four per cent. per annum	1,000 00
One due April 1, 1914, four per cent. per annum	1,000 00
One due October 1, 1914, four per cent. per annum	1,500 00
One due October 1, 1915, four per cent. per annum	3,000 00
One due January 1, 1916, four per cent. per annum	4,500 00
One due April 1, 1916, four per cent. per annum	1,000 00
One due July 1, 1916, four per cent. per annum	1,000 00
One due October 1, 1916, four per cent. per annum	3,000 00
One due April 1, 1917, four per cent. per annum	1,000 00
One due April 1, 1917, four per cent. per annum	2,000 00
One due October 1, 1917, four per cent. per annum	1,000 00
One due October 1, 1917, four per cent. per annum	2,000 00
One due January 1, 1918, three and one-half per cent. per annum	1,900 00
One due July 1, 1918, four per cent. per annum	1,500 00
One due October 1, 1918, four per cent. per annum	1,000 00
One due April 1, 1919, four per cent. per annum	1,000 00
One due July 1, 1919, four per cent. per annum	1,000 00
One due July 1, 1919, three and one-half per cent. per annum	1,100 00
One due November 15, 1919, three and one-half per cent. per annum	1,400 00
One due October 1, 1920, four per cent. per annum	3,000 00
One due October 1, 1920, four per cent. per annum	1,000 00
One due October 1, 1920, four per cent. per annum	2,000 00
One due October 1, 1922, four per cent. per annum	1,000 00
One due October 1, 1923, four per cent. per annum	2,000 00
One due October 1, 1923, four per cent. per annum	1,700 00
One due October 1, 1923, four per cent. per annum	2,900 00
One due October 1, 1924, four per cent. per annum	1,225 00
<i>Carried forward</i>	\$54,725 00

<i>Brought forward</i>	\$54,725 00
One due October 1, 1928, three and one-half per cent. per annum	6,000 00
One due April 1, 1929, three and one-half per cent. per annum	2,000 00
One due January 1, 1930, three and one-half per cent. per annum	1,200 00
One due July 1, 1930, three per cent. per annum	2,900 00
One due July 1, 1930, three per cent. per annum	100 00
One due October 1, 1930, three per cent. per annum	1,500 00
One due October 1, 1930, three per cent. per annum	850 00
	\$69,275 00
Cash in City Treasury.	553 07
	<u>\$69,828 07</u>

PHILLIPS-STREET FUND.

This is a bequest of JONATHAN PHILLIPS, who died in July, 1860, who gave by his will to the City of Boston, \$20,000 "as a trust fund, the income of which will be annually expended to adorn and embellish the streets and public places in said city," which has been invested in

One certificate of indebtedness of City of Boston, due January 1, 1906, interest at six per cent. per annum, payable to the Mayor of the city for the time being, for \$20,000 00

POLICE CHARITABLE FUND.

By orders of the City Council, approved July 7, 1890, the principal and income of the fund known as the Police Charitable Fund, consisting of moneys which had been earned by police officers for fees as witnesses, in Municipal and District Courts of the City of Boston, were placed in charge of the City Treasurer, as custodian, and the Board of Police were authorized to expend the income thereof, and the amount appropriated for pensions of police, for the payment of pensions of members of the police force who have been placed on the pension roll, and with the approval of the Mayor, for the relief of persons who have received an honorable discharge from the police force by reason of sickness, age, or other disability, and who are, in consequence thereof, in necessitous circumstances; and also for the relief of the widows and orphans, in necessitous circumstances, of police officers who have died while in the service of the city, or from the effects of injuries received in the execution of their duty.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1901, four per cent. per annum	\$5,000 00
One due April 1, 1902, four per cent. per annum	7,000 00
One due April 1, 1902, four per cent. per annum	3,000 00
One due October 1, 1902, four per cent. per annum	6,000 00
One due January 1, 1903, four per cent. per annum	5,000 00
One due October 1, 1903, four per cent. per annum	4,000 00
One due October 1, 1903, four per cent. per annum	3,000 00
One due April 1, 1905, six per cent. per annum	10,000 00
One due April 1, 1905, six per cent. per annum	6,000 00
One due April 1, 1906, six per cent. per annum	2,750 00
One due April 1, 1906, six per cent. per annum	2,000 00
One due October 1, 1906, six per cent. per annum	4,000 00
One due April 1, 1907, six per cent. per annum	4,000 00

Carried forward \$61,750 00

<i>Brought forward</i>		\$61,750 00
One due April 1, 1908, five per cent. per annum		3,000 00
One due October 1, 1911, four per cent. per annum		5,000 00
One due July 1, 1912, four per cent. per annum		4,000 00
One due October 1, 1912, four per cent. per annum		5,000 00
One due April 1, 1914, four per cent. per annum		5,000 00
One due October 1, 1914, four per cent. per annum		6,000 00
One due April 1, 1915, four per cent. per annum		4,500 00
One due April 1, 1915, four per cent. per annum		1,500 00
One due October 1, 1915, four per cent. per annum		6,000 00
One due April 1, 1916, four per cent. per annum		5,000 00
One due October 1, 1916, four per cent. per annum		6,300 00
One due April 1, 1917, four per cent. per annum		5,000 00
One due October 1, 1917, four per cent. per annum		7,500 00
One due October 1, 1917, four per cent. per annum		7,000 00
One due January 1, 1918, four per cent. per annum		3,000 00
One due January 1, 1918, four per cent. per annum		2,000 00
One due April 1, 1918, four per cent. per annum		300 00
One due July 1, 1918, four per cent. per annum		3,500 00
One due October 1, 1918, four per cent. per annum		3,500 00
One due January 1, 1919, four per cent. per annum		3,000 00
One due April 1, 1919, four per cent. per annum		3,000 00
One due July 1, 1919, four per cent. per annum		1,200 00
One due November 15, 1919, three and one-half per cent. per annum		12,000 00
One due January 1, 1920, four per cent. per annum		3,000 00
One due January 6, 1920, three and one-half per cent. per annum		2,000 00
One due July 1, 1920, four per cent. per annum		4,600 00
One due October 1, 1920, four per cent. per annum		1,000 00
One due October 1, 1920, four per cent. per annum		1,500 00
One due October 1, 1921, four per cent. per annum		3,500 00
One due October 1, 1921, four per cent. per annum		1,000 00
One due October 1, 1923, four per cent. per annum		4,000 00
One due October 1, 1923, four per cent. per annum		1,000 00
One due April 1, 1929, three and one-half per cent. per annum		4,500 00
One due October 1, 1930, three per cent. per annum		14,400 00
One due January 1, 1931, three per cent. per annum		3,000 00
Total		<u>\$207,550 00</u>

POOR WIDOWS' FUND.

This is a donation made by Mrs. JOANNA BROOKER and others, to the Selectmen of Boston for the time being.

The income from this fund is paid over in equal proportions to the Aldermen of this city, and they distribute the same, at their discretion, for the relief of POOR WIDOWS AND SICK PEOPLE. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows :

One due April 1, 1905, interest at six per cent. per annum	\$1,700 00
One due October 1, 1917, interest at four cent. per annum	1,500 00
	<u>\$3,200 00</u>

PUBLIC LIBRARY FUNDS.

ARTZ FUND. — Donation from VICTORINE THOMAS ARTZ of Chicago, of \$10,000, the income of this sum to be employed in the purchase of valuable rare editions of the writings, either in verse or prose, of American and of Foreign authors. These books are to be known as the "Longfellow Memorial Collection."

Invested in one certificate of indebtedness of City of Boston, due January 1, 1917, interest at the rate of four per cent. per annum \$10,000 00

BATES FUND. — This is a donation made by JOSHUA BATES of London, in March, 1853.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum \$50,000 00

“The income only of this fund is to be used each year and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful.”

BIGELOW FUND. — This is a donation made by JOHN P. BIGELOW, in August, 1850, when Mayor of the City.

The income from this fund is to be appropriated to the purchase of books for the increase of the library.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum \$1,000 00

BOWDITCH FUND. — This is the bequest of J. INGERSOLL BOWDITCH of Boston, of \$10,000, to the Boston Public Library, the income of which is to be expended for the purchase of books of permanent value and authority in Mathematics and Astronomy.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1920, interest at three and one-half per cent. per annum \$10,000 00

BRADLEE FUND. — Bequest of the late Rev. CALEB DAVIS BRADLEE for the Boston Public Library,

Invested in one certificate of indebtedness of City of Boston, due January 1, 1918, interest at three and one-half per cent. per annum \$1,000 00

HENRY SARGENT CODMAN MEMORIAL FUND. — Donation from friends of the late HENRY SARGENT CODMAN of Brookline, to be utilized in purchase of books upon landscape gardening, said donation to be known as the Henry Sargent Codman Memorial Fund.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1929, interest at three and one-half per cent. per annum \$2,800 00
Cash in City Treasury 54 41

\$2,854 41

DANIEL S. FORD FUND. — Received June 25, 1900, from William A. Munroe, Seth Mendell and Henry Hinckley, Executors of the estate of Daniel S. Ford, through Trustees of the Public Library, \$6,000, as a legacy of the late Daniel S. Ford to the Library.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1930, interest at three per cent. per annum \$6,000 00

FRANKLIN CLUB FUND. — This is a donation made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the association, authorized its trustees, Thomas Minns, John J.

French and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: "In trust that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value for the use of the free Public Library of the City, and as far as practicable, of such a character as to be of special interest to young men." The Trustees expressed a preference for books relative to Government and Political Economy.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1914, interest at four per cent. per annum, \$1,000 00

GREEN FUND. — Donations of Dr. SAMUEL A. GREEN, formerly Mayor of the City, of \$2,000, the income of which is to be expended for the purchase of books relating to American history. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due April 1, 1908, five per cent. per annum	\$1,000 00
One due April 1, 1914, four per cent. per annum	500 00
One due October 1, 1930, three per cent. per annum	500 00
	<u>\$2,000 00</u>

CHARLOTTE HARRIS FUND. — Bequest of CHARLOTTE HARRIS of Boston, the object of which is stated in the following extract from her will:

"I give to the Charlestown Public Library \$10,000 to be invested on interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library, and the portrait of my grandfather, Richard Devens." Bequests accepted by City Council, July 31, 1877.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1917, interest at four per cent. per annum, \$10,000 00

THOMAS B. HARRIS FUND. — Bequest of THOMAS B. HARRIS of Charlestown, for the benefit of the Charlestown Public Library.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1914, interest at four per cent. per annum . \$1,000 00

ABBOTT LAWRENCE FUND. — This is the bequest of ABBOTT LAWRENCE of Boston.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1905, interest at six per cent. per annum . \$10,000 00

The interest on this fund is to be exclusively appropriated for the purchase of books for the said library, having a permanent value.

EDWARD LAWRENCE FUND. — This is the bequest of EDWARD LAWRENCE of Charlestown. The following clause from his will explains its purpose:

"To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference to be kept and used only at the Charlestown Branch of said Public Library."

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1916, interest at four per cent. per annum . \$500 00

CHARLES G. LORING MEMORIAL FUND. — Donation from family of CHARLES GREELY LORING, deceased, the income of which to be expended for the purchase of books for the West End Branch.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1916, interest at four per cent. per annum, \$500 00

CHARLES G. MEAD FUND. — Bequest of CHARLES G. MEAD, the same to constitute a trust fund to be designated the "Charles G. Mead Trust Fund," for the promotion of the objects of the Public Library, in such manner as the government of said library shall deem best, and so far as said government shall deem it consistent with the objects of the library, to be used for the benefit of the South Boston Branch Library.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1917, interest at the rate of four per cent.
per annum \$2,500 00

O'REILLY MEMORIAL FUND. — Donation from the Papyrus Club, in memory of JOHN BOYLE O'REILLY, late a member of the club, the income to be devoted to the purchase of books for the Boston Public Library.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1917, interest at four per cent. per annum . \$1,000 00

PHILLIPS FUND. — This is a donation made by JONATHAN PHILLIPS of Boston, in April, 1853.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1913, interest at four per cent. per annum . \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said library.

Also a bequest by the same gentleman in his will, dated 28th of September, 1849.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1906, interest at six per cent. per annum, \$20,000 00

The interest on which is to be annually devoted to the maintenance of a Free Public Library.

Mr. Phillips died on the 29th of July, 1860, at the age of 82; the latter sum was realized by the City in April, 1861.

PIERCE FUND. — This is a donation made by HENRY L. PIERCE, formerly Mayor of the City, November 29, 1873, and accepted by the City Council, December 27, 1873.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1924, interest at four per cent. per annum, \$5,000 00

SCHOLFIELD FUND. — Bequest of ARTHUR SCHOLFIELD of \$50,000, who died in New York, January 17, 1883, who provided that upon the death of certain heirs the interest was to be used for the purchase of books of permanent value. His last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston, the sum of \$11,766.67, which represents the income of said fund received by him up to the time of his death, to be added to the fund bequeathed by his brother, and which, with the interest accumulated thereon, was invested in a certificate of indebtedness of the City of Boston for \$11,800.

The fund is now invested in certificates of indebtedness of the City of Boston, bearing interest and maturing as follows:

One due October 1, 1913, four per cent. per annum . . .	\$50,000 00
One due July 1, 1920, four per cent. per annum . . .	11,800 00
	<u>\$61,800 00</u>

SOUTH BOSTON BRANCH LIBRARY FUND. — Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1919, interest at four per cent. per annum . . . \$100 00

TICKNOR FUND. — By the will of GEORGE TICKNOR, of Boston, he bequeathed to the City of Boston all his books and manuscripts in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. The city is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (*i.e.*, the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years the income of said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese languages, or in such other languages as may be deemed expedient by those having charge of the library. The books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1920, interest at four per cent. per annum, \$4,000 00

TODD FUND. — Donation of WILLIAM C. TODD, of Atkinson, New Hampshire, to be held in trust, the income only thereof to be expended for the purchase of such current newspapers of this and other countries as the board or officers for the time being having charge of the Public Library of the City of Boston shall deem proper.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1927, interest at four per cent. per annum, \$50,000 00

TOWNSEND FUND. — This is a donation from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they might think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the purchase of books for the use of the library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased."

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1929, interest at three and one-half per cent.
per annum \$4,000 00

TREADWELL FUND. — By the will of DANIEL TREADWELL, of Cambridge, late Rumford Professor in Harvard College, who died February 27, 1872, he left the residue of his estate, after payment of debts, legacies, etc., in trust to his executors, to hold during the life of his wife for her benefit, and, after her decease, to divide the residue then remaining in the hands of the trustees, as therein provided, and convey one-fifth part thereof to the Trustees of the Public Library in the City of Boston. The income of which is to be expended by said trustees in such manner as they may deem for the best interest of the Library.

Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due January 1, 1916, four per cent. per annum . . .	\$500 00
One due April 1, 1916, four per cent. per annum . . .	2,000 00
One due October 1, 1917, four per cent. per annum . . .	1,700 00

Carried forward \$4,200 00

<i>Brought forward</i>	\$4,200 00
One due November 15, 1919, three and one-half per cent. per annum	1,400 00
One due October 1, 1921, four per cent. per annum	1,000 00
One due October 1, 1923, four per cent. per annum	350 00
	\$6,950 00
Also —	
16 shares Boston & Albany Railroad Corporation	2,785 00
6 shares Boston & Providence Railroad Corporation	1,077 00
12 shares Fitchburg Railroad Corporation preferred stock	1,062 00
1 share Vermont & Massachusetts Railroad Corporation	133 00
	\$12,007 00
Cash in City Treasury	37 69
	<u>\$12,044 69</u>

TWENTIETH REGIMENT MEMORIAL FUND.—Donation of the Twentieth Regiment Association, to establish a Public Library Trust Fund to be known as the “Twentieth Regiment Memorial Fund,” the income of which to be used for the purchase of books of a military and patriotic character to be placed in alcove appropriated as a memorial of the Twentieth Regiment.

Invested in one certificate of indebtedness of City of Boston,
due October 1, 1917, interest at four per cent. per annum . \$5,000 00

RECAPITULATION PUBLIC LIBRARY TRUST FUNDS.

Artz Fund	\$10,000 00
Bates Fund	50,000 00
Bigelow Fund	1,000 00
Bowditch Fund	10,000 00
Bradlee Fund	1,000 00
Henry Sargent Codman Memorial Fund	2,854 41
Daniel S. Ford Fund	6,000 00
Franklin Club Fund	1,000 00
Green Fund	2,000 00
Charlotte Harris Fund	10,000 00
Thomas B. Harris Fund	1,000 00
Abbott Lawrence Fund	10,000 00
Edward Lawrence Fund	500 00
Charles G. Loring Memorial Fund	500 00
Charles G. Mead Fund	2,500 00
O'Reilly Memorial Fund	1,000 00
Phillips Funds	30,000 00
Pierce Fund	5,000 00
Scholfield Fund	61,800 00
South Boston Branch Library Trust Fund	100 00
Ticknor Fund	4,000 00
Todd Fund	50,000 00
Townsend Fund	4,000 00
Treadwell Fund	12,044 69
Twentieth Regiment Memorial Fund	5,000 00
	<u>\$281,299 10</u>

GEORGE L. RANDIDGE FUND.

This is a bequest of the late GEORGE L. RANDIDGE and received from George S. Hale and Alfred D. Foster, trustees of his estate, June 26,

1896, the income thereof to be devoted for the sole purpose of affording to the children of the poor of the City, of all religious denominations, the pleasure of one or more excursions during the months of July and August in each year. Income to be paid as designated by the Mayor.

Invested in one certificate of indebtedness of City of Boston,
due July 1, 1916, interest at four per cent per annum . \$50,000 00

SAWYER MARCELLA-STREET HOME FUND.

Bequest of SAMUEL E. SAWYER for the benefit of the "Marcella-Street Home for Poor and Neglected Children," on the condition that the sum be safely invested as a permanent fund, and the income only of said sum be used in such manner as will best promote the interests and prosperity of the institution. Received as follows: \$2,000, December 31, 1895; \$213.94, April 21, 1896, and \$98.40, April 26, 1897. Accepted by City Council by order approved November 30, 1895. Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due January 1, 1916, interest at four per cent. per annum	\$2,000 00
One due January 1, 1918, interest at three and one-half per cent. per annum	300 00
	<u>\$2,300 00</u>
Cash in City Treasury	12 34
	<u>\$2,312 34</u>

SCHOOL FUNDS.

BOWDOIN DORCHESTER FUND. — Proceeds from the sale of a woodland estate in Milton, conveyed by Gov. JAMES BOWDOIN, to the inhabitants of the Town of Dorchester.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1920, interest at four per cent. per annum . \$4,500 00

Income to be expended by the School Committee for the benefit of the Public Schools in that part of Boston called Dorchester.

COMINS SCHOOL LIBRARY FUND. — Donation of LINUS B. COMINS, the interest of which is to be expended upon the library of the "Comins Grammar School for Girls," and to be held in trust by the Chairman of the School Committee, the Mayor of the City, and the President of the Common Council, who are constituted, *ex officiis*, Trustees of the Fund.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1929, interest at three and one-half per cent.
per annum \$500 00

EASTBURN FUND. — This is a bequest from JOHN H. EASTBURN and received from the executors of his estate in April, 1886.

The following clause from his will explains the purpose of the bequest:

"The interest to be applied to aid and assist deserving and poor scholars to finish their education, by pecuniary assistance, in the Normal School for Females."

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1916, interest at four per cent. per annum . \$10,000 00

FRANKLIN MEDAL FUND.—This is a legacy by Dr. BENJAMIN FRANKLIN in 1791, the interest on which, since 1792, has been invested in silver medals, which are now distributed at the annual examinations, among the most deserving boys in the ENGLISH HIGH AND LATIN SCHOOLS.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1930, interest at three and one-half per cent. per annum	\$1,000 00
Income unexpended, cash in the Globe National Bank	\$95 82
Cash in the Merchants National Bank	148 64
	<u>\$244 46</u>

GIBSON FUND.—This is the bequest of CHRISTOPHER GIBSON, who provided by will, about 1674, that after the payment of legacies and debts, his executor should “purchase some estate for the promotion of learning in the town of Dorchester.” The surviving executor, Daniel Preston, purchased for £104 twenty-six acres of land at Smelt Brook, and deeded the same, February 6, 1693, to Enoch Wiswell, Samuel Robinson, John Tolman, James Bird, and Increase Sumner, as trustees, and to their successors and assigns, for the “use and purpose, benefit and behoof, of the schools of learning in the town of Dorchester.” Sales have been made from time to time, and a part still remains unsold. The proceeds have been invested in certificates of indebtedness of City of Boston bearing interest and maturing as follows:

One due January 1, 1903, four per cent. per annum	\$1,000 00
One due October 1, 1905, six per cent. per annum	1,000 00
One due April 1, 1908, five per cent. per annum	5,000 00
One due April 1, 1908, five per cent. per annum	1,000 00
One due April 1, 1915, four per cent. per annum	2,500 00
One due July 1, 1917, three and one-half per cent. per annum	37,500 00
One due October 1, 1920, four per cent. per annum	2,000 00
One due October 1, 1920, four per cent. per annum	1,000 00
One due October 1, 1923, four per cent. per annum	425 00
One due January 1, 1930, three and one-half per cent. per annum	14,200 00
One due July 1, 1930, three per cent. per annum	600 00
One due January 1, 1931, three per cent. per annum	5,000 00
	<u>\$71,225 00</u>
Cash in City Treasury	2,115 43
	<u>\$73,340 43</u>

LATIN SCHOOL PRIZE FUND.—This is a donation from a number of gentlemen in Boston, in the year 1819, the interest of which is invested in prizes, which are annually distributed among the most deserving scholars in the PUBLIC LATIN SCHOOL.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1906, interest at six per cent. per annum	\$1,050 00
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LAWRENCE HIGH SCHOOL FUND.—This is a donation made by ABBOTT LAWRENCE of Boston, in the year 1844, the interest of which is payable annually to the Sub-Committee on the ENGLISH HIGH SCHOOL, for the time being; and is by them distributed in prizes for the best performance in various branches of literature and sciences in that institution; and in such other rewards to the scholars in the school as that committee shall recommend.

Invested in one certificate of indebtedness of City of Boston, due January 1, 1906, interest at six per cent. per annum	\$2,000 00
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LAWRENCE LATIN SCHOOL FUND.—This is a donation made by **ABBOTT LAWRENCE**, in the year 1845, the interest of which is payable annually to the "Chairman of the Sub-Committee of **PUBLIC LATIN SCHOOL**, for the time being," and is distributed in prizes for the general encouragement of the scholars in such a way as the sub-committee on that school shall consider advisable.

Invested in one certificate of indebtedness of City of Boston,
due January 1, 1906, interest at six per cent. per annum . \$2,000 00

MILMORE BRIMMER SCHOOL FUND.—Bequest of **MARTIN MILMORE**, the income from which to aid in clothing the poor children of the Brimmer School.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1914, interest at four per cent. per annum . \$500 00

NORCROSS SCHOOL LIBRARY FUND.—Donation and bequest of **OTIS NORCROSS**, formerly Mayor of Boston. The income from this fund is to be paid to the master of the "Norcross School," to be expended in books for a library of the first class of said school. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1902, four per cent. per annum . . .	\$500 00
One due October 1, 1917, four per cent. per annum . . .	500 00
	<u>\$1,000 00</u>

SAWYER, HORACE MANN SCHOOL FUND.—Bequest of **SAMUEL E. SAWYER** for the benefit of the "Horace Mann School for Deaf and Dumb," on condition that the sum be safely invested as a permanent fund, and the income only of said sum to be used in such manner as will best promote the interests and prosperity of the institution. Accepted by City Council by order approved November 30, 1895. Received \$2,000, December 31, 1895; \$213.94, April 21, 1896, and \$98.40, April 26, 1897. Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due January 1, 1916, interest at four per cent. per annum . . .	\$2,000 00
One due January 1, 1918, interest at three and one-half per cent. per annum . . .	300 00
	<u>\$2,300 00</u>
Cash in City Treasury	12 34
	<u>\$2,312 34</u>

SMITH FUND.—This was a legacy of **ABIEL SMITH**, of Boston, who died in 1817, to the **SELECTMEN OF THE TOWN OF BOSTON** for the time being.

The income from this fund is appropriated towards the expense of "the Free Instruction of **COLORED CHILDREN** in Reading, Writing and Arithmetic." Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due April 1, 1915, four per cent. per annum . . .	\$4,400 00
One due July 1, 1919, four per cent. per annum . . .	200 00
One due April 1, 1930, three and one-half per cent. per annum . . .	4,000 00
	<u>\$8,600 00</u>

STOUGHTON FUND. — This is a bequest of Gov. WILLIAM STOUGHTON, who died at Dorchester, July 7, 1701, and gave to the schools of Dorchester one hundred and fifty pounds, "for the advancement of a salary of a school-master."

The terms of this request were complied with by the authorities of the town of Dorchester. This fund was received from the Treasurer of the Town of Dorchester by the terms of the act of annexation of said town to Boston, and stands as follows:

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1915, interest at four per cent. per annum . . \$5,300 00

The income of the fund is paid to the City Treasurer, and credited annually to salaries of school instructors.

TEACHERS' WATERSTON FUND. — Bequest of the late Rev. ROBERT C. WATERSTON, of Boston, "the same to be safely invested, and the income thereof to be appropriated as the Head Masters of the High and Grammar Schools shall deem best — either for lectures to the Teachers upon Natural History in any of its various departments — or from time to time according to their judgment. The fund to be known and designated as the "Waterston Fund" or the "Teachers' Waterston Fund," Received from Robert W. Lord, Trustee under the will of said Robert C. Waterston, \$4,717.33.

Cash in City Treasury \$4,717 33

WEBB FRANKLIN SCHOOL FUND. — This is a legacy made in the year 1828, by RUFUS WEBB, formerly writing master in one of the public schools.

The income from this fund is applied to the purchase of books, etc., for the use of indigent scholars in the writing department of the Franklin School.

Invested in one certificate of indebtedness of City of Boston,
due April 1, 1905, interest at six per cent. per annum . \$1,000 00

RECAPITULATION OF SCHOOL TRUST FUNDS.

Bowdoin Dorchester Fund	\$4,500 00
Comins School Library Fund	500 00
Eastburn Fund	10,000 00
Franklin Medal Fund	1,000 00
Gibson Fund	73,340 43
Latin School Prize Fund	1,050 00
Lawrence High School Fund	2,000 00
Lawrence Latin School Fund	2,000 00
Milmore Brimmer School Fund	500 00
Norcross School Library Fund	1,000 00
Sawyer, Horace Mann School Fund	2,312 34
Smith Fund	8,600 00
Stoughton Fund	5,300 00
Teachers' Waterston Fund	4,717 33
Webb Franklin School Fund	1,000 00
Total	<u>\$117,820 10</u>

RECAPITULATION OF TRUST FUNDS IN CUSTODY OF
CITY TREASURER.

Babcock Music	\$3,000 00
City Hospital	158,991 21
Dorchester North Burial Ground	613 00
Dorchester South Cemetery	530 00
Evergreen Cemetery	6,417 75
Foss Seventeenth of June and Flag	4,000 00
John Foster	31,357 14
Franklin Trades School	376,143 63
George B. Hyde	3,915 95
Mount Hope Cemetery	69,828 07
Phillips Street	20,000 00
Police Charitable	207,550 00
Poor Widows'	3,200 00
Public Library	281,299 10
George L. Randidge	50,000 00
Sawyer, Marcella-street Home	2,312 34
School	117,820 10
Total	<u>\$1,336,978 29</u>



SIXTH ANNUAL REPORT

OF THE

WATER COMMISSIONER

FOR THE YEAR ENDING JANUARY 31, 1901.

OFFICE OF THE WATER COMMISSIONER,
CITY HALL, BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of Boston :

DEAR SIR, — I submit herewith the sixth annual report of the Water Commissioner for the year ending January 31, 1901.

The total receipts from all sources during the year were \$2,560,027.03 ; less refunded water rates, \$920 ; making the net receipts \$2,559,107.03. The total current expenditures from revenue, including interest on funded debt, sinking-fund requirements, and the Metropolitan water assessment, were \$2,426,824.09 ; leaving a balance which was transferred to the general revenue of the City of \$133,202.94.

The total amount expended for extension of mains, etc., during the year was \$411,075.91 ; of which amount the sum of \$24,087.67 was paid from the balance of loan brought over from the previous year, and the remainder, \$386,988.24, was paid from revenue.

The construction account, as shown on the books February 1, 1901, was \$23,054,387.81, having been increased during the year to the amount of \$364,604.06. There is still due from the State, under the terms of the settlement of

the claim for the taking of the water supply system by the Metropolitan Water Board, the sum of \$7,531,000, which, if paid, would reduce the construction account to \$15,523,387.81.

The net debt on February 1, 1901, was \$1,815,626.90, being a decrease of \$5,620,423.18, a large amount of the debt having been cancelled with payments made by the State on account of the taking by the Metropolitan Water Board.

The outstanding water loans February 1, 1900, were \$17,306,273.98, and on February 1, 1901, \$11,960,273.98, being a decrease for the year of \$5,346,000.

The Metropolitan water assessment for the year was \$578,696.96, as against \$411,861.54 for the previous year.

At present there is no charge for water made to the City Departments, which deprives this Department of an income of previous years amounting to about \$200,000 per annum.

The full financial statement will be found on pages 5 to 13.

Less main pipe was laid in 1900 than for several years previous. This is on account of the fact that fewer men have been employed, that the working day has been shortened to eight hours, and that about one-half of the whole work was done in the crowded streets of the City proper. There was also a decrease in the number of petitions for main pipe received, there being only 91 during the year ending January 31, 1901, as against 127 received during the previous year.

The relaying and replacing of the small mains by larger ones has decidedly improved the fire protection in different sections of the City.

The Bachelder Independent Valve Hydrant is now the standard of the Department, and is the only one manufactured.

The breaks in the 30-inch main in Tremont street, at the Hotel Touraine and opposite Hollis street, and also in the 48-inch main in Brookline, are described in some detail in the City Engineer's report.

The laying of Shirley Gut pipe is described in detail, with photographs, in the City Engineer's report.

The Smith Tapping Machine has been adopted for taking 2-inch, 3-inch, 4-inch and 6-inch branches from pipes of any size without shutting off water, and has proved to be of great value.

A list of contracts made and pending will be found on pages 14 to 19.

The custom of laying service pipes in new streets, constructed under the Act of 1891, Chapter 323, is proving year after year more expensive to the City, and, so far as the De-

partment can see, the work is of very little value, as it is impossible to determine the exact location required for future service, or the necessary size of the pipe. This matter has been referred to in previous reports, and I refer to it now in order to keep the matter before the authorities, hoping that the act may be modified or repealed. (See report for year ending January 31, 1898, page 2.)

Under authority given me by Your Honor, the ice plant belonging to the City was sold, and later a special appropriation of \$3,000 was made by the City Council for the furnishing of ice for the ice-water fountains during the past season.

During the past year the Department has experimented with a device for cooling water in drinking fountains without the use of ice. The experiment is as follows :

A perforated wrought-iron pipe is sunk into the ground to the depth of about 100 feet. The perforations in the pipe allow the water in the soil to circulate freely. Four lines of small cast-iron pipe, one inch in diameter, are passed inside of the 8-inch pipe, and this pipe is connected with the City mains and with a fountain, so that the water from the mains passes four times through the 8-inch pipe, and is cooled to nearly the natural temperature of the soil, which does not vary very much during the year at the depth of 100 feet. By this means the temperature of the City water is reduced about 20 degrees, or brought down to about 52 degrees.

The first fountain of this kind was established on Boston Common near the Frog pond, another on the M-street playground in South Boston, another in Sheridan square at the junction of Albany and Northampton streets, and another for horses in Post Office square.

Thus far this cooling device has given very good satisfaction, but it will be given a more thorough test before additional fountains are located, as the experiment has not yet been carried through an entire season.

Terms of settlement in the claim of the City of Boston against the Commonwealth of Massachusetts, on account of the taking by the Metropolitan Water Board of said City's water supply system, having been agreed upon by His Excellency the Governor on the part of the Commonwealth and His Honor the Mayor on the part of the City, the settlement was consummated on October 19, 1900, with the approval of the Committee on Claims and of the Mayor, as per authority granted under an order of the City Council approved February 8, 1896. The vote of the Committee on Claims approving the settlement was as follows :

IN COMMITTEE ON CLAIMS, October 19, 1900.

Voted, That the settlement made by the Water Commissioner and the Mayor of the claims of the City against the Commonwealth, or the Metropolitan Water Board, for damages incurred or compensation for property taken or acquired by said Commonwealth or Board under the act establishing said Metropolitan Water Board, for the sum of twelve million five hundred and thirty-one thousand (12,531,000) dollars be, and hereby is, approved, and as a part of said settlement that the City Solicitor be instructed and authorized to settle the suit of the City of Boston against the Commonwealth of Massachusetts for the taking of its water supply system for the sum of seven million five hundred and thirty-one thousand (7,531,000) dollars with interest on said sum after November 1, at the rate of three and one-half ($3\frac{1}{2}$) per cent. per annum, and to execute the necessary papers to put such settlement into effect, said sum of seven million five hundred and thirty-one thousand (7,531,000) dollars being balance due on the above settlement from the Commonwealth after deducting the sum of five million (5,000,000) dollars which has been paid by the Metropolitan Water Board on account of said claims.

This settlement does not include a large amount of property still left in the hands of the City, which the Metropolitan Board should control, such as the Brookline reservoir, Fisher Hill reservoir, West Roxbury Pumping-station; the mains leading from Chestnut Hill reservoir, Fisher Hill reservoir, and Brookline reservoir through Brookline to the City; and the main supply-pipes in Somerville. Most of this property will eventually be used in common, and should be under one control, especially Fisher Hill reservoir, which, although entirely used for the supply of Boston, should be operated from the pumping-station at Chestnut Hill. At present there is a very uncertain state of things, as there is a divided responsibility, and in case of accident it is almost impossible to decide whether the State or the City is responsible. These are questions which will have to be considered and settled definitely in some way, or it may cause a serious and complicated condition of affairs.

Reports in detail of work performed in the Income Division, the Distribution Division, and the Engineer's Department, will be found herewith annexed.

Respectfully,

AUGUSTUS P. MARTIN,

Water Commissioner.

The receipts and disbursements of the Department for the year were as follows:

Total receipts of the Water Works, from all sources, for the year ending January 31, 1901:

Sales of water	\$2,199,774 48
Shutting off and letting on water, and fees, Elevator, fire and service pipes, sale of old materials, etc.	5,468 92
City's proportion of entrance fees of outside cities and towns into Metropolitan water system	102,662 43
Interest on Water Works fund	1,896 75
Use of West Roxbury pumping-station by Metropolitan Water Board	251,000 00
	920 00
Total receipts	<u>\$2,561,722 58</u>
Less refunded water rates	<u>1,695 55</u>
Net receipts	<u><u>\$2,560,027 03</u></u>

Total expenditures of the Water Works, from revenue, for the year ending January 31, 1901:

Current expenses	\$447,716 68
¹ Extension of mains, etc.	386,988 24
Interest on funded debt	805,924 26
Sinking-fund requirement, 1899-1900	206,489 00
Metropolitan water assessment	578,696 96
Refunded to State	1,008 95
Balance to general revenue account of city, ...	<u>133,202 94</u>
	<u><u>\$2,560,027 03</u></u>

COST OF CONSTRUCTION AND CONDITION OF THE WATER DEBT.

¹ Cost of construction of Water Works to February 1, 1900	\$22,689,783 75
² Cost of construction of Water Works to February 1, 1901	<u>23,054,387 81</u>
Increase during the year	<u><u>\$364,604 06</u></u>
Stock on hand February 1, 1900	\$134,323 44
Stock on hand February 1, 1901	<u>148,815 92</u>
Increase during the year	<u><u>\$14,492 48</u></u>
The outstanding Water Loans February 1, 1900, were	\$17,306,273 98
The outstanding Water Loans February 1, 1901, were	<u>11,960,273 98</u>
Decrease during the year	<u><u>\$5,346,000 00</u></u>

¹ The total amount expended for Extension of Mains, etc., for the year was \$411,075.91; \$24,087.67 being paid from the balance of appropriation from loan brought over from previous year.

² There is still due from the State under the terms of settlement of the claim for the taking of the City's water supply system by the Metropolitan Water Board the sum of \$7,531,000. When paid the construction account will be reduced that amount. Deducted at this date, February 1, 1901, the construction account would stand at \$15,523,387.81.

The Water Sinking-Fund February 1, 1900, was	.	.	\$9,870,223 90
The Water Sinking-Fund February 1, 1901, was	.	.	10,144,647 08
Increase during the year	.	.	<u>\$274,423 18</u>
Net Water Debt February 1, 1900	.	.	\$7,436,050 08
Net Water Debt February 1, 1901	.	.	1,815,626 90
Decrease during the year	.	.	<u>\$5,620,423 18</u>

The outstanding Water Loans on this date, February 1, 1901, are as follows:

Loans.	Date of Maturity.	Amount.
5 per cent. Sterling Loan (£399,500),	Due Oct., 1902	\$1,947,273 98
6 " " Currency,	" April, 1903	905,000 00
6 " " " "	" Jan., 1904	8,000 00
6 " " " "	" Jan., 1905	3,000 00
6 " " " "	" April, 1905	53,700 00
6 " " " "	" July, 1905	10,000 00
6 " " " "	" Oct., 1905	6,000 00
5 " " Gold Loan,	" Oct., 1905	1,000,000 00
6 " " Currency,	" Jan., 1906	82,550 00
6 " " " "	" April, 1906	8,750 00
5 " " Gold Loan,	" April, 1906	552,000 00
5 " " " "	" Oct., 1906	2,000,000 00
6 " " Currency,	" Oct., 1906	4,000 00
6 " " " "	" Jan., 1907	8,000 00
6 " " " "	" April, 1907	5,000 00
6 " " " "	" July, 1907	1,000 00
5 " " Currency Loan,	" Oct., 1907	1,000 00
5 " " " "	" April, 1908	12,000 00
4 " " Loan,	" July, 1909	82,000 00
4½ " " " "	" Oct., 1909	268,000 00
4 " " " "	" April, 1910	280,000 00
4 " " " "	" April, 1912	324,000 00
4 " " " "	" Oct., 1913	56,000 00
4 " " " "	" Jan., 1914	459,000 00
4 " " " "	" April, 1914	18,500 00
4 " " " "	" Oct., 1914	16,000 00
4 " " " "	" April, 1915	45,700 00
4 " " " "	" Oct., 1915	23,000 00
4 " " " "	" Jan., 1916	8,000 00
4 " " " "	" April, 1916	28,500 00
4 " " " "	" Oct., 1916	11,300 00
4 " " " "	" Jan., 1917	21,000 00
3½ " " " "	" April, 1917	275,000 00
4 " " " "	" April, 1917	6,000 00
4 " " " "	" July, 1917	7,000 00
4 " " " "	" Oct., 1917	160,700 00
4 " " " "	" Jan., 1918	20,000 00
4 " " " "	" April, 1918	6,300 00
3½ " " " "	" July, 1918	100,000 00
4 " " " "	" Oct., 1918	100,000 00
4 " " " "	" April, 1919	200,000 00
3½ " " " "	" Oct., 1919	145,000 00
4 " " " "	" Oct., 1919	300,000 00
3½ " " " "	" Nov., 1919	130,000 00

Carried forward,

\$9,698,273 98

Loans.				Date of Maturity.	Amount.
<i>Brought forward,</i>					\$9,698,273 98
3½	per cent.	Loan,		Due Jan., 1920	120,000 00
4	"	"	"	" Oct., 1920	384,000 00
4	"	"	"	" April, 1921	100,000 00
4	"	"	"	" Oct., 1921	162,500 00
4	"	"	"	" Jan., 1922	100,000 00
4	"	"	"	" April, 1922	75,000 00
4	"	"	"	" Oct., 1922	208,000 00
4	"	"	"	" Oct., 1923	26,275 00
4	"	"	"	" Oct., 1924	526,225 00
3½	"	"	"	" Oct., 1927	150,000 00
3½	"	"	"	" July, 1929	410,000 00
Total					<u>\$11,960,273 98</u>

SUMMARY.

3½	per cent.	Loans			\$1,330,000 00
4	"	"			3,755,000 00
4½	"	"			268,000 00
5	"	Currency Loans			13,000 00
5	"	Gold	"		3,552,000 00
5	"	Sterling	"		1,947,273 98
6	"	Loans			1,095,000 00
Total					<u>\$11,960,273 98</u>

Cochituate Water Sinking-Fund Receipts.

[SINCE THE ESTABLISHMENT OF THE BOARD OF SINKING-FUND COMMISSIONERS IN 1871.]

YEAR.	From Tax Levy or City Income.	Interest on Investments.	Interest on Bank Deposits.	Water Rates, etc.	Premiums on Loans.	Other Sources.	Totals.
1871. April 30, received from Committee on Reduction of Debt...	\$1,100,000 00						\$1,100,000 00
1871-72.....	14,325 00 Taxes, 9,375 00	\$61,000 00	\$349 67				85,049 67
1872-73.....	9,000 00	70,137 50	1,017 80				80,155 30
1873-74.....	30,090 00	76,799 60	2,072 65				108,962 25
1874-75.....	75,973 28	82,842 25	2,121 13				160,936 66
1875-76.....	65,554 00	85,470 00	3,617 55			\$386 00	155,027 55
1876-77.....	234,814 00	86,245 66	4,119 47	\$26,480 18		915 46	352,574 77
1877-78.....	Taxes, 214,500 00	85,830 85	10,809 31	27,099 92			338,240 08
1878-79.....	Taxes, 207,456 00	93,264 49	6,181 26	177,195 91		9,874 21	493,971 87
1879-80.....		90,472 42	5,687 62	214,707 24		4,411 64	315,278 92
1880-81.....		86,460 00	167 32	195,668 90		1,762 04	284,058 26
1881-82.....		96,546 35	2,767 90	193,840 36		494 08	293,648 69
1882-83.....		105,129 51	8,486 33	219,581 72		1,241 04	331,438 60
1883-84.....	Taxes, 973 00	138,120 90	2,268 22				141,362 12

WATER DEPARTMENT.

1884-85	.....	143,049 45	7,510 40	209,258 39	.....	.....	359,818 24
1885-86	.....	156,694 01	5,804 31	120,129 12	.....	442 27	283,069 71
1886-87	Taxes, 75,496 00	181,264 89	2,644 70	297,928 95	.....	5,081 12	562,415 66
1887-88	.....	199,883 90	4,178 16	221,620 11	.....	.....	425,682 17
1888-89	.....	213,048 22	8,958 69	256,013 57	\$11,552 50	.....	489,572 98
1889-90	.....	228,000 83	11,730 60	300,903 00	36,092 50	.....	576,726 93
1890-91	.....	229,509 17	29,763 94	242,675 22	36,530 00	.....	538,478 33
1891-92	.....	175,808 33	22,560 16	275,014 05	.....	78,865 00	552,247 54
1892-93	.....	260,506 20	30,148 34	240,435 00	16,413 50	.....	547,503 04
1893-94	.....	298,224 44	18,133 03	299,467 27	14,621 75	.....	630,446 49
1894-95	.....	312,332 05	18,524 22	297,518 29	.....	9,894 12	638,268 68
1895-96	.....	378,819 55	5,892 29	205,791 00	64,690 00	.....	655,192 84
1896-97	.....	403,840 02	5,225 08	194,740 00	.....	616 50	604,421 60
1897-98	.....	421,928 45	8,337 21	193,395 00	8,833 50	15,877 86	648,372 02
1898-99	.....	417,142 02	5,806 85	193,395 00	.....	8,016 00	624,359 87
1899-1900	.....	383,662 97	7,632 45	209,824 00	29,835 70	2,148 90	633,104 02
1900-1901	.....	397,985 35	15,948 83	206,489 00	.....	.....	620,423 18
	\$2,037,556 28	\$5,960,019 38	\$258,465 49	\$5,016,171 20	\$218,569 45	\$140,026 24	\$13,630,808 04

Cochituate Water Debt, Gross and Net,
At the Close of Each Fiscal Year.

Fiscal Year.	Gross Debt.	Sinking-Funds.	Net Debt.
1847-48	¹ \$2,129,056 32	.....	\$2,129,056 32
1848-49	3,787,328 98	.....	3,787,328 98
1849-50	4,463,205 56	.....	4,463,205 56
1850-51	4,955,613 51	.....	4,955,613 51
1851-52	5,209,223 26	.....	5,209,223 26
1852-53	5,972,976 11	.....	5,972,976 11
1853-54	5,432,261 11	.....	5,432,261 11
1854-55	5,403,961 11	.....	5,403,961 11
1855-56	5,230,961 11	.....	5,230,961 11
1856-57	5,031,961 11	.....	5,031,961 11
1857-58	4,724,961 11	.....	4,724,961 11
1858-59	4,754,461 11	.....	4,754,461 11
1859-60	3,846,211 11	.....	3,846,211 11
1860-61	3,455,211 11	.....	3,455,211 11
1861-62	3,012,711 11	.....	3,012,711 11
1862-63	2,992,711 11	.....	2,992,711 11
1863-64	2,992,711 11	.....	2,992,711 11
1864-65	2,942,711 11	.....	2,942,711 11
1865-66	3,152,711 11	.....	3,152,711 11
1866-67	3,370,711 11	.....	3,370,711 11
1867-68	3,867,711 11	.....	3,867,711 11
1868-69	5,107,711 11	.....	5,107,711 11
1869-70	5,731,711 11	.....	5,731,711 11
1870-71	6,482,711 11	\$1,100,000 00	5,382,711 11
1871-72	6,812,711 11	1,185,049 67	5,627,661 44
1872-73	6,912,711 11	1,268,234 97	5,644,476 14
1873-74	7,863,711 11	1,372,953 62	6,490,757 49
1874-75	8,123,711 11	1,533,890 28	6,589,820 83
1875-76	9,735,711 11	1,560,917 83	8,174,793 28
1876-77	11,548,711 11	1,709,492 60	9,839,218 51
1877-78	11,545,273 98	2,043,764 73	9,501,509 25
1878-79	11,753,273 98	2,143,847 85	9,609,426 13
1879-80	11,697,273 98	1,771,692 92	9,925,581 06
1880-81	11,631,273 98	1,989,300 88	9,641,973 10
1881-82	11,631,273 98	2,281,857 89	9,349,416 09
1882-83	11,955,273 98	2,607,768 46	9,347,505 52
1883-84	12,882,273 98	2,746,505 58	10,135,768 40
1884-85	13,045,473 98	3,106,323 82	9,939,150 16
1885-86	13,491,473 98	3,385,201 26	10,106,272 72
1886-87	14,142,273 98	3,947,616 92	10,194,657 06
1887-88	14,741,273 98	4,373,304 09	10,367,969 89
1888-89	14,941,273 98	4,864,092 54	10,077,181 44
1889-90	15,696,273 98	5,440,819 47	10,255,454 51
1890-91	16,267,773 98	5,979,297 80	10,288,476 18
1891-92	16,423,773 98	6,471,545 34	9,952,228 64
1892-93	16,758,773 98	7,019,058 38	9,739,715 60
1893-94	17,055,273 98	7,649,504 87	9,405,769 11
1894-95	17,761,273 98	8,444,773 55	9,316,500 43
1895-96	18,261,273 98	9,099,966 39	9,161,307 59
1896-97	18,261,273 98	9,704,387 99	8,556,885 99
1897-98	17,911,273 98	9,852,760 01	8,058,513 97
1898-99	17,121,273 98	9,487,119 88	7,634,154 10
1899-1900	17,306,273 98	9,870,223 90	7,436,050 08
1900-1901	11,960,273 98	10,144,647 08	1,815,626 90

¹ No account taken of amounts borrowed temporarily from 1846 to 1852 and afterwards funded by the issue of the water bonds that figure in this statement.

DETAILED EXPENDITURES UNDER THE APPROPRIATIONS.

FEBRUARY DRAFT, 1900, TO FEBRUARY DRAFT, 1901.

Current Expenses (from Revenue).

Salaries and wages :

Commissioner	\$5,042 33	
Assistant Commissioners	5,664 37	
Secretary	3,000 00	
Employees	392,983 24	
		\$406,689 94
Water pipes and castings		49,020 74
Tools, machinery, iron, steel and other materials for repairs and furnishing		14,579 03
Horses, purchase of	\$1,025 00	
Feed	5,254 67	
Wagons, etc., and repairs of same	3,061 67	
Shoeing, veterinary services, etc	2,521 26	
Harnesses, etc., and repairs of same	1,078 99	
		12,941 59
Repairs of buildings, streets and other structures,		12,419 46
Lead and lead pipe		9,626 46
Damages		5,626 67
Teaming and freights		4,949 26
Printing		4,488 44
Travelling expenses and transportation of em- ployees		4,024 52
Professional and expert services		3,855 72
New meters	\$1,407 00	
Repairs of meters, including extra parts	1,717 70	
		3,124 70
Blasting and excavating pipe trenches		2,877 97
Lumber		2,729 62
Stationery, postage, etc.		2,106 72
Fuel		2,077 38
Telephone service		1,775 65
Gravel and crushed stone		1,008 06
Salt		848 55
Board of injured man		782 17
Rents		690 00
Bricks		556 50
Gas		452 69
Oils		424 70
Cement and sand		409 18
Taxes		398 43
Rubber clothing		317 94
<i>Carried forward</i>		\$548,802 09

<i>Brought forward</i>	\$548,802 09
Advertising	304 32
Salt hay	200 26
Report on property taken by the State	166 66
Furniture	152 10
Land damages	143 50
Ice and small items	106 29
Insurance on boilers	100 00
Premium on bonds of employees	52 50
Drain pipe	42 75
Insulating water-pipes	37 50
Recording papers	30 89
	\$550,138 86
Less amount transferred to Extension of Mains, etc.	102,422 18
Total current expenses	\$447,716 68

The following amounts were also expended
from revenue :

Refunded water rates	\$1,695 55	
Sinking fund payment	206,489 00	
Interest on loans	805,924 26	
Metropolitan water assessment	578,696 96	
Refunded to State, overpay- ment in 1899	1,008 95	
¹ Extension of mains, etc.	386,988 24	
		1,980,802 96
		\$2,428,519 64

² EXTENSION OF MAINS, ETC.

Salaries and wages of employees	\$149,772 40
Water pipes and castings	108,354 17
Lead and lead pipe	14,899 31
Tools, machinery, iron, steel, and other material,	9,111 92
Blasting and excavating pipe trenches	5,388 67
Teaming and freights	4,612 98
Lumber	4,592 47
Gravel and crushed stone	2,204 76
Travelling expenses and transportation of employees	2,092 50
<i>Carried forward</i>	\$301,029 18

¹ See foot note 1, page 5.

² The expenditures for Extension of Mains, etc., were made from the
balance of appropriation from loan brought over from last year..... \$24,087 67
And from amount appropriated from revenue..... 386,988 24

\$411,075 91

<i>Brought forward</i>	.	.	.	.	.	.	\$301,029 18
Repairs	.	.	.	.	.	.	1,997 35
Stable account	.	.	.	.	.	.	1 374 12
Laying water-pipes at Shirley Gut	.	.	.	.	.	.	1,246 50
Sinking pipes for drinking fountains	.	.	.	.	.	.	1,157 72
Fuel	.	.	.	.	.	.	474 96
Rubber clothing	.	.	.	.	.	.	405 12
Oils	.	.	.	.	.	.	383 96
Bricks	.	.	.	.	.	.	172 65
Cement and sand	.	.	.	.	.	.	171 70
Salt hay	.	.	.	.	.	.	163 17
Rent of land at Point Shirley	.	.	.	.	.	.	50 00
Drain pipe	.	.	.	.	.	.	27 00
Telephone service	.	.	.	.	.	.	30
							\$308,653 73
Transferred from current expenses	.	.					102,422 18
							\$411,075 91

Under the supplemental appropriation order of the City Council for the financial year 1900-1901, approved by the Mayor, July 31, 1900, the sum of \$3,000 was appropriated from the general tax to be expended by the Water Department for ice for drinking fountains. From this appropriation there was expended for the purpose specified the sum of \$2,650.

Contracts Made and Pending during Year Commencing February 1, 1900, and ending January 31, 1901.
Contracts marked thus (*) are completed.

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Year.	Year 1900-1901.	Total.
1899.						
* Jan. 25,	{ Warren Foundry and Machine Company, Phillipsburg, N.J.....	{ 550 tons 30-inch pipe..... 125 " 24-inch " .. 975 " 16-inch " .. 2,300 " 12-inch " .. 50 " 10-inch " .. 875 " 8-inch " .. 500 " 6-inch " .. 20 " 4-inch " .. 5,395 " pipe 105 " special eastings.....	{ @ \$16.70 per ton, 2,000 lbs., estimated total of contract, \$93,561.50 @ \$33.00 per ton, 2,000 lbs.	\$79,498 00	\$11,180 79	\$90,678 79
* Mar. 14,	{ Sessions Foundry Com- pany, Bristol, Conn.,	{ Iron eastings for year ending March 15, 1900.....	{ 1,125,000 lbs. No. 1 @ 1 ⁹⁵ / ₁₀₀ cents per lb., estimated total of contract, \$24,637.50 225,000 lbs. No. 2 @ 1 ²⁰ / ₁₀₀ cents per lb.,	19,996 64	7,289 53	27,286 17
* " 20,	Owen Nawn & Co.....	{ Teaming water-pipes and materials for year ending March 15, 1900.....	{ 38 cents per ton, 2,240 lbs., short haul..... 85 cents per ton, 2,240 lbs., long haul.....	2,623 14	612 87	3,236 01
* " 31,	William Curley.....	{ Composition castings for year ending March 15, 1900.....	{ No. 1, 12,000 lbs., estimated, @ 19 ³ / ₄ c. per lb., No. 2, 30,000 lbs., estimated, @ 17 ¹ / ₂ c. per lb., No. 3, 5,000 lbs., estimated, @ 15 ¹ / ₂ c. per lb.,	6,472 34	471 14	6,943 48

* Aug. 15,	Edw'd Kendall & Sons,	{ Furnishing and erecting 4 20-inch steel water-pipes for Tremont-street bridge at Castle street.....	@ \$650 each (extra work, \$100.15)	2,700 15	2,700 15
* Nov. 28,	Thomas Burke.....	Blasting Everton street, Dorchester.....	@ \$3.25 per cubic yard.....	135 53	135 53
* Dec. 5,	James McDonald.....	" Harrishof street, Roxbury.....	@ \$2.75 " "	248 88	248 88
* " 12,	Daniel E. Lynch.....	{ " Commonwealth avenue, at Chis- wick road, Brighton.....	@ \$4 " "	800 00	800 00
* " 20,	James McDonald.....	" Montbello road, West Roxbury..	@ \$2.20 " "	196 24	196 24
* " 22,	Jas. McLaughlin & Son,	" West Selden street, Dorchester...	@ \$3.25 " "	98 48	98 48
* " 23,	" " "	" Maxwell street, " ...	@ \$3.25 " "	78 65	78 65
1900.					
Feb. 2,	{ Warren Foundry and Machine Company, Phillipsburg, N. J....	{ 200 tons 30-inch pipe, A..... 500 " 16-inch " A..... 700 " 12-inch " A..... 330 " 12-inch " B..... 150 " 10-inch " B..... 500 " 8-inch " B..... 600 " 6-inch " B..... 15 " 4-inch " B..... 2,995 " pipe..... 5 " special castings.....	@ \$26.00 per ton, 2,000 lbs.....	79,059 53	79,059 53
* " 7,	J. H. McCafferty & Co..	Composition castings.....	@ 44.00 " " " { No. 1, 5,000 lbs., estimated, @ 20½c. per lb., No. 2, 14,000 lbs., estimated, @ 19¾c. per lb., No. 3, 2,500 lbs., estimated, @ 15c. per lb.,	4,687 61	4,687 61
* " 8,	{ Sessions Foundry Com- pany, Bristol, Conn..	{ Small iron castings.....	{ No. 1, @ 21½c. cents per lb..... No. 2, @ 11½c. " "	13,658 51	13,658 51
* Mar. 2,	Thomas Burke.....	Blasting Darling street.....	@ \$3.34 per cubic yard.....	167 67	167 67
* " 7,	" " "	" High Rock way, Brighton.....	@ \$3.74 " "	259 00	259 00
" 9,	Owen Nawn & Co.....	{ Teaming, water pipes and materials for year ending March 15, 1901	{ 38 cents per ton, 2,240 lbs., for short haul..... 80 cents per ton, 2,240 lbs., for long haul.....	1,708 88	1,708 88

Contracts Made and Pending during Year Commencing February 1, 1900, and ending January 31, 1901. — Continued.
Contracts marked thus (*) are completed.

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Year.	Year 1900-1901.	Total.
1900.						
* Mar. 23,	John J. Kelley	Blasting West Selden street, Dorchester...	@ \$3.75 per cubic yard.....	.....	\$99 08	\$99 08
* May 9,	Coffin Valve Co.....	20 16-inch water gates.....	@ \$86.00 each.....	.....	1,720 00	1,720 00
* " 25,	J. H. Ferguson	Blasting Wales place, Dorchester.....	@ \$2.10 per cubic yard.....	.....	160 65	160 65
* " 31,	Daniel H. Sullivan.....	" Pequot street, Roxbury	@ \$3.21 " " .....	.....	37 88	37 88
* June 13,	Thomas Burke.....	{ " Harrishof and Harold streets, } Roxbury.....	@ \$2.18 " " .....	.....	362 75	362 75
* " 15,	James Dolan.....	" Wallingford road, Brighton	@ \$2.50 " " .....	.....	53 75	53 75
* " 19,	Daniel E. Lynch.....	{ " Woodward Park street, Dorches- } ter.....	@ \$4.00 " " .....	.....	153 60	153 60
* " 25,	James Dolan.....	" Union terrace, West Roxbury....	@ \$3.25 " " .....	.....	38 35	38 35
* July 2,	John J. Kelley.....	" Echo street, Roxbury	@ \$2.75 " " .....	.....	82 50	82 50
* " 2,	" "	" Park View street, Roxbury	@ \$2.75 " " .....	.....	85 25	* 85 25
" 11,	{ Sessions Foundry Com- } pany, Bristol, Conn..	{ Small iron castings, for 5 months to Janu- } ary 31, 1901.....	{ No. 1 @ 2 ³⁵ / ₁₀₀ cents per lb..... } { No. 2 @ 1 ⁴⁰ / ₁₀₀ " .....	.....	8,421 78	8,421 78
* " 17,	William J. Lawler....	{ Removing 54 lengths of 16-inch water pipe } from Malden bridge, and delivering same } at Albany-street yard.....	\$40.00.....	.....	40 00	40 00
* " 18,	James McDonald	{ Blasting Commonwealth ave., between Kin- } ross and Chiswick roads, Brighton	@ \$2.25 per cubic yard.....	.....	89 10	89 10

*Aug. 2,	C. H. French.....	Making 12-inch gate pattern and core boxes.	Estimated from \$150 to \$175.....	183 15	183 15
* " 3,	Boston Ice Co.....	{ Furnishing ice for drinking fountains in Charlestown, East Boston and City proper north of Massachusetts ave., 600 lbs. daily for 50 days, from Aug. 6 to Oct. 1, 1900, 18 fountains.....	@ \$90 per fountain*.....	1,620 00	1,620 00
* " 3,	Bay State Ice Co.....	{ Furnishing ice for drinking-fountains in South Boston and Roxbury, 600 lbs. daily for 50 days, from Aug. 6, to Oct. 1, 1900, 11 fountains.....	@ \$90 per fountain. (The sum of \$50 was deducted from bill of \$990.)*.....	940 00	940 40
* " 3,	Union Ice Co.....	{ Furnishing ice for drinking-fountain, At- lantic ave., at head of T wharf, 600 lbs. daily for 50 days, from Aug. 6 to Oct. 1, 1900.....	@ \$90*.....	90 00	90 00
* " 6,	{ United States Cast Iron Pipe and Foundry Co.	{ 200 tons 16-inch pipe, A..... 200 " 16-inch " B..... 350 " 12-inch " B..... 100 " 10-inch " B..... 100 " 8-inch " B.....	@ \$20.90 per ton, 2,000 lbs.	20,093 48	20,093 48
" 10,	J. H. McCafferty & Co..	Composition Castings	{ No. 1, @ 21 $\frac{1}{2}$ cents per lb..... No. 2, @ 20 $\frac{3}{4}$ " " "..... No. 3, @ 16 " " ".....	630 89	630 89
* " 13,	James McDonald.....	{ Blasting Commonwealth ave., near Strath- more road, Brighton.....	@ \$2.60 per cubic yard.....	234 00	234 00
* " 25,	{ Metropolitan Contract- ing Co.....	{ Furnishing necessary tools and appliances, labor and materials for strengthening water-pipe location in Tremont st., from Boylston st. to Eliot st.....	{ Materials at cost, plus 15%..... Unskilled labor per day, 9 hrs., @ \$2..... Skilled bracers and carpenters per day, 9 hrs., @ \$3..... Brick masons per day, 8 hrs., @ \$5.50..... Foremen per day, 9 hrs., @ \$5....	718 04	718 04
*Aug. 31,	James A. King.....	Blasting Woolson street, Dorchester.....	@ \$3.75 per cubic yard.....	51 38	51 38
*Sept. 4,	Thomas Burke.....	" Woodcliff street, Dorchester	@ \$3.75 " " ".....	57 38	57 38

* Paid from special appropriation.

Contracts Made and Pending during Year Commencing February 1, 1900, and ending January 31, 1901.—Concluded.

Contracts marked thus () are completed.*

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Year.	Year 1900-1901.	Total.
1900.						
*Sept. 15,	{ Metropolitan Contracting Co.....	{ Strengthening water pipe location in Tremont street, from LaGrange to Eliot street.....	{ Foremen, per day, 9 hours, @ \$5.00 Skilled labor, per day, 9 hours, @ \$3.00..... Unskilled labor, per day, 9 hours, @ \$2.00..... Brick masons, per day, 8 hours, @ \$5.50..... Pavers, per day, 9 hours, @ \$4.00 Double teams, per day, 9 hours, @ \$5.00..... Single teams, per day, 9 hours, @ \$3.00..... Materials to be furnished by the Water Department.....	.....	\$1,407 45	\$1,407 45
* " 28,	James McDonald.....	Blasting Cummings road, Brighton.....	@ \$2.50 per cubic yard.....	.....	295 55	295 55
*Oct. 6,	James Dolan.....	" Weld street, West Roxbury.....	@ \$2.75 " " .....	.....	82 23	82 23
* " 20,	{ Eastern Dredging Company	{ Excavate and maintain, by dredging, a trench across Shirley Gut, in which to lay water pipes, and backfill the same....	\$1,000.....	.....	1,000 00	1,000 00
* " 27,	Thomas Burke.....	Blasting Harlem street, Dorchester.....	@ \$2.50 per cubic yard.....	.....	293 25	293 25
Nov. 9,	Coffin Valve Co.....	30 16-inch Water Gates.....	@ \$86.00 each.....	.....	1,634 00	1,634 00
*Dec. 13,	{ Warren Foundry and Machine Co.....	7 tons 4-inch pipe, B.....	@ \$23.00 per ton, 2,000 pounds.....	.....	160 97	160 97
* " 17,	John J. Kelley.....	Blasting Folsom street, Dorchester.....	@ \$2.99 per cubic yard.....	.....	69 97	69 97

* " 26, 1901.	Thomas Burke	" Tuckerman street, South Boston...	@ \$2.98	"	"	.....	47 98	47 98
" Jan. 9,	John J. Kelley.....	" Oswald street, Roxbury.....	@ \$3.19	"	"	.....	.....	.....
" 18,	J. H. McCafferty & Co...	{ Composition castings, from February 1 to August 1, 1901.....	{ No. 1, @ 21 $\frac{1}{2}$ cents per lb. No. 2, @ 20 $\frac{1}{8}$ " " No. 3, @ 16 " "			.....	.....	.....
" 23,	Foxboro Foundry Co. .	{ Small Iron castings, from February 1 to August 1, 1901.....	{ No. 1, @ 2 $\frac{5}{16}$ cents per lb. No. 2, @ 1 $\frac{5}{16}$ " "			.....	.....	.....

APPENDIX A.

REPORT OF INCOME DIVISION.

CITY HALL, BOSTON, February 1, 1901.

GEN. A. P. MARTIN,

Water Commissioner :

SIR, — Herewith please find annual report of the Income Division, Water Department. The report of the Meter Service covers the financial year ending January 31, 1901; the balance of the report is rendered for the calendar year ending December 31, 1900, it being impracticable, owing to the nature of the accounts, to render an entire report for the financial year.

Respectfully submitted,

J. H. CALDWELL,

General Superintendent Income Division.

Table I.

Statement of Water Rates — January 1, 1901.

Account of year.	Amount assessed.	Amount abated.	Amount collected.	Balance outstanding.
1894.....	\$2,163,625 70	\$51,615 19	\$2,112,006 01	\$4 50
1895.....	2,266,519 08	55,409 78	2,211,008 55	100 75
1896.....	2,568,246 04	*95,128 09	2,473,083 65	34 30
1897.....	2,630,413 37	53,864 09	2,576,549 28	.....
1898.....	2,342,793 38	†235,316 53	2,107,298 95	177 90
1899.....	2,414,690 12	†257,368 44	2,156,147 62	1,174 06
1900.....	†2,195,181 72	23,687 85	1,917,502 50	253,991 37

Above amounts for years 1894, 1895, 1896, and 1897 include both Cochituate and Mystic supply accounts. The contracts to supply Chelsea, Somerville, and Everett with Mystic water were abrogated by the Metropolitan Water Act on January 1, 1898.

* This amount includes certain City Department accounts, abated by order of the Mayor.

† These amounts include abatements of City Department accounts, under order of the City Council approved by the Mayor on March 5, 1900.

‡ No City Department accounts in this amount, such charges having been abolished by an order of the City Council approved by the Mayor on March 5, 1900.

Table II.*Number of classified Water Takers during 1900.*

	Number.
By annual rates.....	91,329
By meter rates.....	4,513
Total	95,842

Table III.*Kind and Number of Fixtures in use January 31, 1901.*

	Number.
Bath-tubs.....	70,205
Bowls	105,839
Foot-tubs	316
Sinks	173,295
Taps.....	28,065
Urinals, automatic	5,063
“ otherwise.....	651
Wash-tubs	112,435
Water-closets.....	157,320
Total fixtures.....	653,189

Table IV.

Water by Annual Rates.

CLASSIFICATION.	Number.	Amounts Assessed.
Bakeries	284	\$3,850 92
Bath-houses	3	141 50
Building purposes.....	956	10,282 68
Cemeteries.....	6	49 08
Churches.....	242	2,886 34
Circus.....	2	115 79
Cisterns, filling	1	6 67
Clubs.....	208	2,986 83
Depots	50	1,269 34
Dispensaries.....	1	10 00
Dwelling houses.....	51,465	794,781 21
Fountains.....	7	68 00
Freight houses.....	18	162 67
Greenhouses.....	60	1,042 00
Gymnasiums.....	2	51 50
Halls.....	165	2,534 09
Hand hose.....	9,600	48,000 00
Hospitals and asylums	62	4,073 33
Hotels.....	1	33 00
Laboratories.....	4	104 00
Laundries	570	10,797 66
Libraries and Museums.....	2	33 00
Manufactories	16	362 12
Model houses.....	10,850	234,363 00
Motors.....	5	25 00
Offices.....	2,114	18,683 36
Photographers.....	45	950 92
Puddling trenches.....	34	569 97
Restaurants and lunch rooms.....	508	8,824 08
Saloons.....	541	20,814 22
Schools.....	57	1,115 75
Shops	3,204	28,292 28
Shipping.....	15	254 54
Stables	3,687	26,130 85
Steam engines.....	287	3,882 13
Stores.....	6,232	67,253 26
Street watering.....	23	894 32
Theatres.....	2	24 50
Totals.....	91,329	\$1,295,719 91

Table V.

Water by Meter Rates.

CLASSIFICATION.	Number.	Quantity of Water Consumed. Cubic Feet.	Amounts Assessed.
Bakeries	17	1,783,000	\$2,298 80
Bath-houses	4	563,000	781 45
Boarding-houses	59	3,083,000	4,100 20
Bottling	42	2,975,000	4,024 80
Breweries	32	33,184,000	39,016 65
Cemeteries	3	371,000	484 00
Chemicals	11	770,000	1,053 50
Club houses	33	6,173,000	7,808 50
Distilleries	4	998,000	1,267 20
Electrical companies	9	26,546,000	28,455 60
Elevators and motors	524	55,917,000	59,902 70
Factories	228	32,883,000	43,123 17
Fish-houses	23	1,351,000	1,796 60
Gas-works	13	8,943,000	10,722 90
Greenhouses	11	846,000	1,138 80
Halls	26	7,891,000	8,691 70
Hospitals	13	5,329,000	6,594 30
Hotels	129	60,020,000	74,891 72
Iron works	48	9,062,000	11,563 85
Laundries	24	11,477,000	12,668 20
Markets	6	308,000	422 10
Mills and engines	75	39,298,000	38,745 65
Model houses	1,103	78,814,000	98,352 13
Navy Yard and barracks	5	10,190,000	10,009 54
Offices, stores, and shops	1,212	119,711,000	157,611 95
Oil-works	8	725,000	951 50
Parks	1	20,000	28 00
Public institutions	8	10,723,000	12,898 10
Saloons and restaurants	291	20,448,000	28,716 35
Schools	38	5,958,000	7,895 40
Slaughtering houses	4	1,960,000	2,448 00
Stables	314	14,803,000	20,346 62
Steam and street railway companies	73	124,414,000	128,381 60
Stone-works	12	1,426,000	1,877 90
Sugar refineries	1	30,937,000	26,373 60
Tanneries	4	300,000	410 50
Theatres	15	3,461,000	4,411 00
Warehouses	11	8,697,000	10,165 30
Wharves and shipping	79	24,651,000	30,820 32
Totals	4,513	767,009,000	\$901,250 20

Table VI.

Number and Amounts of Abatements Allowed during the Year 1900.

ON ACCOUNT OF ASSESSMENTS FOR YEAR	COCHITUATE.		MYSTIC.	
	Number.	Amount.	Number.	Amount.
1894.	4	\$75 87		
1895.....	2	462 80	1	\$23 80
1896.....	82	13,036 10	1	42 00
1897.....	94	1,585 85	53	378 87
1898.....	117	189,516 64		
1899.....	2,171	232,262 09		
1900.....	3,508	23,687 85		
Totals.....	5,978	460,627 20	55	\$444 67

The abatements allowed on account of 1900 assessments, amounting to \$23,687.85 were due to changes in occupancy of premises, changes in ownership, vacancies, errors in valuations and assessments, inaccuracy of meters as proved by tests, underground leaks for which the owner could not be held entirely responsible, and for other reasons, which, in the judgment of the General Superintendent, entitled the water-taker to consideration.

The abatements on account of 1894, 1895, 1896, 1897, 1898, and 1899 were due to bills uncollectible, changes of ownership, failures, shut-off for non-payment, cleaning up old accounts, and abatement of City Department accounts to the amount of \$411,897.62, under order of the City Council approved by the Mayor on March 5, 1900.

Table VII.

New Elevator, Motor, Fire, and Service Pipes.

Elevator pipes.....	21
Motor pipes.....	3
Fire pipes.....	43
Service pipes.....	1,630
Total	1,697

Table VIII.
Turning Water Off and On.

For repairs of mains.....	1,279
“ “ “ services.....	3,540
“ non-payment of water bills.....	2,350
“ waste	6
Turned on first time	1,593
Vacancies.....	4,194
Total	12,962

Table IX.
Off and On Receipts.

Received for turning water off and on for repairs, deposited with City Collector.....	\$1,689 50
--	------------

Table X.

ELEVATOR, MOTOR, AND FIRE PIPE SERVICE, FOR YEAR ENDING
DECEMBER 31, 1900.

Elevators.

Under supervision, December 31, 1899 . . .	577	
Supervision abandoned :		
Discontinued, changed to electricity or steam previous to December 31, 1899 . . .	50	
Discontinued during year . . .	6	
Changed to electric during year . . .	11	
	—	67
	—	510
New elevators, inspected and accepted during year . . .		35
Under supervision, December 31, 1900 . . .		545
Changed to tank and metered water during year, still under supervision		9
Inspections made		809
Accuracy tests made		513

Registering inaccurately and repaired by owners . . .	45
Not registering and repaired by owners . . .	54
Wasting water and repaired by owners . . .	70

Motors.

Under supervision, December 31, 1899 . . .	115	
Supervision abandoned :		
Discontinued	1	
Changed to electric	5	
		6
		109
New motors added to service during the year . . .		11
Under supervision, December 31, 1900 . . .		120
Inspections made		53
Registering inaccurately and repaired by owner . . .		1
Not registering and repaired by owners . . .		18
Wasting water and repaired by owners . . .		3

By-Passes.

Meter by-passes under supervision, December 31, 1899 . . .	34
Discontinued during year	2
Under supervision, December 31, 1900 . . .	32
Inspections made	140
Resealed	10

Fire Service.

Premises under supervision, December 31, 1899 . . .	493
Supervision discontinued	102
	391
Premises equipped during year	31
Premises under supervision, December 31, 1900 . . .	422
Inspections of premises	2,762
Total number of inspections of outlet valves . . .	27,721
Total number of hydrant inspections	686
Total number of valves sealed and resealed . . .	3,872
Total number of hydrants sealed and resealed . . .	159
Prohibited fixtures removed by owners	5

METER SERVICE.

Table XI.

Statement of Meters for Year Ending January 31, 1901.

Meters belonging to Department, January 31, 1900	.	5,190
Purchased during year	.	6
Reclaimed	.	44
In stock, not reported last year	.	2
Exchanged, Crown for Lambert	.	1
		5,243
Condemned during year	.	38
Lost in service	.	1
Lost, not previously reported	.	2
Sold (exchanged for new)	.	2
Exchanged, Crown for Lambert	.	1
		44
Meters belonging to Department, January 31, 1901	.	<u>5,199</u>

Table XII.

Distribution of Meters, January 31, 1901.

In service	.	4,445
At Department shop	.	754
		<u>5,199</u>

Table XIII.

General Statement of Work Performed on Meters During Year Ending January 31, 1901.

	Meters.	Boxes.
Applied.....	270	61
Discontinued....	445	
Changed.....	944	
" location.....	17	
Tested	2,449	
Repaired at shop	1,249	
" " factory.....	61	
" in service.....	416	148
Abandoned.....		14
Examined	230	
Hayed	1,418	

Table XIII. — *Concluded.*

	Meters.	Boxes.
Lost in service.....	3	
Sold (exchange for new).....	2	
Exchanged, Lambert for Crown.....	1	
Condemned.....	38	
Reclaimed	44	
Meters in service.....	4,445	
Purchased	6	
At Department shop.....	754	
Private meters applied.....	1	
" * " discontinued.....	6	
" " in service.....	71	

Table XIV.
Meters Condemned.

	DIAMETER IN INCHES.					Totals.
	4	2	1	$\frac{3}{4}$	$\frac{5}{8}$	
Worthington.....	1	2	13	10	1	27
Crown					1	1
Metropolitan.....				7		7
B. W. W.....				1		1
Ball & Fitts.....				1	1	2
Totals ..	1	2	13	19	3	38

Table XV.
Meters Applied.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	$1\frac{1}{2}$	1	$\frac{3}{4}$	$\frac{5}{8}$	
Worthington.....			2	12	14	19	12		59
Crown.....	3	3	6	8	13	10	7	53	103
Hersey			1	2	3	4	8		18
Metropolitan....						11	72		83
B. W. W.....							2		2
Lambert.....					1				1
Empire					1				1
Trident.....						1			1
Gem.....		2							2
Totals	3	5	9	22	32	45	101	53	270

Table XVI.

Private Meters Applied to Department Service.

	DIAMETER IN INCHES.	Total.
	1	
Crown.....	1	1
Total.....	1	1

Table XVII.

Meters Discontinued.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Worthington.....	.....	3	3	15	22	66	24	.....	133
Crown.....	2	2	11	10	27	42	29	85	208
Hersey.....	.....	2	1	8	9	11	11	.....	42
Metropolitan.....	.....	.....	.....	.....	6	20	30	.....	56
B. W. W.....	.....	.....	.....	.....	.....	.....	1	.....	1
Gem.....	.....	2	.....	.....	.....	.....	.....	.....	2
Thomson .....	.....	.....	.....	.....	.....	.....	.....	2	2
Empire.....	.....	.....	.....	.....	.....	1	.....	.....	1
Totals	2	9	15	33	64	140	95	87	445

Table XVIII.

Private Meters Discontinued.

	DIAMETER IN INCHES.		Totals.
	2	⅝	
Crown.....	.....	4	4
Worthington.....	.....	1	1
Ball & Fitts.....	1	.....	1
Totals	1	5	6

Table XIX.
Meters Purchased.

	DIAMETER IN INCHES.		Totals.
	6	1½	
Crown.....	2	2	4
Hersey	2	.....	2
Totals	4	2	6

Table XX.
Meters Sold.

	DIAMETER IN INCHES.	Totals.
	$\frac{5}{8}$	
Crown	2	2
Total.....	2	2

Table XXI.
Meters Repaired at Factory.

	DIAMETER IN INCHES.							Totals
	4	3	2	1½	1	$\frac{3}{4}$	$\frac{5}{8}$	
Worthington	2	.....	2	.....	.....	.....	.....	4
Crown	1	1	.....	2	7	9	29	49
Hersey.....	.....	.....	.....	.....	.....	8	.....	8
Totals.....	3	1	2	2	7	17	29	61

Table XXII.
Meters Repaired in Service.

CAUSE OF REPAIRS.	Totals.	CAUSE OF REPAIRS.	Totals.
Spindle leaks.....	104	<i>Brought forward.....</i>	383
Leak at connection.....	81	Spindle worn.....	6
“ “ stop-cock.....	4	Hands stuck.....	2
“ “ body.....	5	Clock defaced.....	6
Train stuck.....	5	Valve broken.....	1
Cover broken.....	76	Ratchet “.....	8
Glass “.....	63	Clock loose.....	5
Clock “.....	37	Did not mesh.....	1
Gear loose.....	7	Leak at valve.....	2
Cover “.....	1	Nipple broken.....	2
<i>Carried forward.....</i>	383	<i>Total.....</i>	416

Table XXIII.
Meters Changed.

CAUSE.	Number.	CAUSE.	Number.
For test.....	454	<i>Brought forward.....</i>	874
Not registering, cause unknown,	70	Piston stuck.....	14
No force.....	29	Piston shaft worn.....	4
Stoppage.....	26	Clock defaced.....	4
Rust.....	51	“ detached.....	4
Solder.....	15	Relocation.....	7
Dirt.....	31	Intermittent.....	3
Frost.....	12	Train stuck.....	4
Heat.....	16	Spindle loose.....	2
Enlargement.....	32	Bar broken.....	4
Leak at body.....	12	Piston shaft short.....	2
“ “ spindle.....	11	Leak at connection.....	4
Clock broken.....	14	Lever broken.....	3
Ratchet “.....	3	Hands stuck.....	6
Spindle “.....	19	Cover broken.....	4
Piston “.....	5	Pawl stuck.....	3
Gear “.....	34	Piston worn.....	1
Intermediate worn.....	24	Fish.....	1
Gears did not mesh.....	16		
<i>Carried forward.....</i>	874	<i>Total.....</i>	944

Table XXIV.
Meters in Service, January 31, 1901.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Worthington.....	2	14	30	131	112	504	342	.....	1,135
Crown.....	10	41	50	81	157	355	423	1,204	2,321
Hersey.....	.....	4	12	18	34	70	168	20	326
Metropolitan.....	.....	.....	.....	3	16	103	461	3	586
B. W. W.....	.....	.....	.....	.....	.....	.....	23	.....	23
Thomson.....	.....	.....	.....	.....	.....	.....	1	4	5
Lambert.....	.....	.....	.....	1	3	.....	3	6	13
Empire.....	.....	.....	.....	.....	6	4	1	.....	11
Gem.....	1	4	.....	.....	.....	.....	.....	.....	5
Nash.....	.....	.....	.....	.....	1	2	2	1	6
Champion.....	.....	.....	.....	.....	.....	.....	1	.....	1
Ball & Fitts.....	.....	.....	1	.....	.....	.....	.....	.....	1
Torrent.....	1	.....	.....	.....	.....	.....	.....	.....	1
Trident.....	.....	.....	.....	.....	.....	2	.....	.....	2
Disc.....	.....	.....	3	.....	4	2	.....	.....	9
Totals.....	14	63	96	234	333	1,042	1,425	1,238	4,445

Table XXV.
Private Meters in Department Service, January 31, 1901.

	DIAMETER IN INCHES.								Totals
	6	4	3	2	1½	1	¾	⅝	
Crown.....	1	3	2	5	15	6	2	9	43
Worthington.....	.....	.....	2	5	1	6	1	4	19
Hersey.....	.....	.....	1	1	3	.....	.....	.....	5
Thomson.....	.....	.....	.....	.....	1	.....	.....	.....	1
Gem.....	2	.....	.....	.....	.....	.....	.....	.....	2
B. W. W.....	.....	.....	.....	.....	.....	.....	1	.....	1
Totals.....	3	3	5	11	20	12	4	13	71

Table XXVI.*Meters at Department Shop, January 31, 1901.*

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Worthington.....		8	3	27	15	101	75	7	236
Crown.....		4	5	5	12	24	50	121	221
Metropolitan.....				1	4	29	169		203
Ball & Fitts.....				1			3	1	5
B. W. W.....							19		19
Hersey.....	2	2	1	9	8	11	17		50
Lambert.....				1		2	1		4
Thomson.....							1	2	3
Empire.....					1	1	1		3
Gem.....	1	1	4	2					8
Nash.....								1	1
Rogers.....							1		1
Totals.....	3	15	13	46	40	168	337	132	754

WASTE DETECTION.**Table XXVII.***Water Inspection.*

	NUMBER.
Waste reports.....	7,340
Re-examinations.....	8,921
First re-examination.....	7,444
Second ".....	1,438
Third ".....	39
Fine notices issued.....	36

Table XXVIII.*Defective Fixtures and Waste.*

	NUMBER.
Tank fixtures leaking.....	6,035
Faucets leaking.....	2,634
Water-closets leaking.....	1,091
Bursts.....	362
Wilful waste.....	42

INVENTORY OF PROPERTY OF INCOME DIVISION.

AT CITY HALL.

1 black walnut counter, 47½ feet long.	2 high stools.
1 black walnut counter, 12 feet long.	6 high swivel chairs.
1 walnut roll-top desk, two cases overhead.	40 low swivel chairs.
6 walnut roll-top desks.	7 cane seat arm chairs.
3 oak roll-top desks.	5 upholstered arm chairs.
3 double oak standing desks, 9 feet 9 inches long.	1 low stool.
2 single oak standing desks 9 feet 9 inches long.	1 Smith Premier typewriter.
2 single walnut standing desks.	1 Bar-lock typewriter.
1 double walnut standing desk.	1 safe.
8 triple walnut desks, 9 feet long each, low.	3 clocks.
1 flat-top walnut desk.	2 iron umbrella racks.
5 oak flat-top desks.	1 large wooden umbrella rack.
1 typewriter desk.	1 folding step ladder.
1 shelf desk.	1 combined thermometer and barometer.
1 2-foot standing desk.	1 large rug.
1 large walnut table.	1 rubber mat.
2 small, walnut tables.	2 oil cloths.
1 10-foot standing desk.	2 letter presses.
3 large walnut bookcases.	3 fibre mats.
2 walnut slide-door cases.	23 waste baskets.
1 large oak stationery case.	25 cuspidors.
1 oak letter-book case.	11 storm windows.
1 letter press stand.	32 fibre boxes for bills.
1 letter-file case.	4 electric fans.
1 roll-door cabinet.	2 electric portable lamps.
1 oak bill case.	1 drawing board.
3 large book racks.	1 water pail.
1 2-drawer card case.	4 picks.
1 20-drawer card cabinet.	4 shovels.
1 45-drawer card cabinet.	6 "whirley" wrenches.
8 7-inch by 7-inch wooden boxes.	1 box tacks.
2 telephone booths.	2 lbs. nails.
1 toilet booth.	1 file.
16 miscellaneous racks for books, etc.	8 screwdrivers.
21 connected wardrobes.	2 triumph punches.
15 connected wardrobes.	2 star paper fasteners.
6 connected wardrobes.	3 sealing machines.
1 single wardrobe.	20 lbs. lead seals.
13 footstools.	20 lbs. copper wire.
2 desk platforms.	2 funnels.
10 high desk chairs.	1 pair gas pliers.
	4 leather bags.
	1 Stillson wrench.
	1 pair calipers.
	1 "ever ready" electric lamp.
	4 50-ft. linen tape measures.
	3 steel sounding rods.

Arm rests, shears, ink wells, pens, penholders, pencils, rubber stamps and pads, and other stationery, ward ledgers, street books, record cards, printed blanks, etc., for office and street use.

AT METER SERVICE SHOP, 710 ALBANY STREET.

Meters Belonging to Department, January 31, 1901.

Worthington, 6-inch. 2	Lambert, 1-inch. 2	
" 4 " 22	" $\frac{3}{4}$ " 4	
" 3 " 33	" $\frac{5}{8}$ " 6	
" 2 " 158		17
" $1\frac{1}{2}$ " 127	Empire, $1\frac{1}{2}$ " 7	
" 1 " 605	" 1 " 5	
" $\frac{3}{4}$ " 417	" $\frac{3}{4}$ " 2	
" $\frac{5}{8}$ " 7		14
— 1,371	" 4 " 5	
Crown, 6 " 10	Gem, 6 " 2	
" 4 " 45	" 3 " 4	
" 3 " 55	" 2 " 2	
" 2 " 86		13
" $1\frac{1}{2}$ " 169	Nash, $1\frac{1}{2}$ " 1	
" 1 " 379	" 1 " 2	
" $\frac{3}{4}$ " 473	" $\frac{3}{4}$ " 2	
" $\frac{5}{8}$ " 1,325	" $\frac{5}{8}$ " 2	
— 2,542		7
Metropolitan, 2 " 4	Trident, 1 " 2	
" $1\frac{1}{2}$ " 20		2
" 1 " 132	Disc, 3 " 3	
" $\frac{3}{4}$ " 630	" $1\frac{1}{2}$ " 4	
" $\frac{5}{8}$ " 3	" 1 " 2	
— 789		9
Hersey, 6 " 2	Ball & Fitts, 3 " 1	
" 4 " 6	" 2 " 1	
" 3 " 13	" $\frac{3}{4}$ " 3	
" 2 " 27	" $\frac{5}{8}$ " 1	
" $1\frac{1}{2}$ " 42		6
" 1 " 81	Torrent, 6 " 1	
" $\frac{3}{4}$ " 185		1
" $\frac{5}{8}$ " 20	Champion, $\frac{3}{4}$ " 1	
— 376		1
B. W. W., $\frac{3}{4}$ " 42	Rogers, $\frac{3}{4}$ " 1	
— 42		1
Thomson, $\frac{3}{4}$ " 2		
" $\frac{5}{8}$ " 6		
— 8	Total	<u>.5,199</u>
Lambert, 2 " 2		
" $1\frac{1}{2}$ " 3		

PROPERTY IN STABLE.

13 blankets.	2 sponges.
3 brushes.	5 surcingles.
1 buggy.	2 sheets.
6 combs.	2 pungs.
5 halters.	4 robes.
2 hitch weights.	3 wrenches.
2 driving horses.	1 old sleigh.
3 working horses.	2 whips.
3 working sets harness.	3 wagons, express.
2 driving sets harness.	1 wagon, Concord.

PROPERTY IN OFFICE.

1 large oak case, 24 drawers, with cards.	2 mahogany tables.
1 small oak case, 9 drawers, with cards.	3 window shades.
2 oak roll-top desks.	3 window screens.
2 oak standing desks.	1 door screen.
2 oak arm chairs.	1 pine wardrobe.
3 oak arm chairs, adjustable.	1 Bar-lock typewriter with table.
2 oak high chairs, adjustable.	6 towels.
1 German mirror.	1 feather duster.
1 pine cabinet.	2 cuspidors.
2 pine tables, with drawers and closets.	1 time clock.
	1 whisk broom.

PIPE FITTINGS, METER PARTS, TOOLS, ETC., AT SHOP.

Tampins,	3	Reducers, $\frac{5}{8}$ to $1\frac{1}{2}$,	1,261
Unions, brass, $\frac{1}{4}$ -inch to 2 inches,	24	Rubber packings,	155
" galv., $\frac{3}{4}$ -in to 2 inches,	31	Shovels,	3
Valves, Worthington, $\frac{3}{4}$ -inch to 3 inches,	127	Stove, oil,	1
Valves, seats,	77	Shelves, wooden,	72
" Chapman, 4 inches,	1	Stands, wooden,	23
" " 3 "	2	Strainers, fish box,	33
" " 2 "	13	Stop watches,	2
" " $1\frac{1}{2}$ "	14	Spindles, clock,	87
" check, 2 "	3	Solder, lbs.	12
" " $1\frac{1}{2}$ "	9	Saws, hack,	1
" " 1 "	2	Sleeves 4 inches,	1
" " $\frac{3}{4}$ "	15	" 3 "	1
Wire cutters,	2	Seals, meter,	5
Wrenches, monkey,	12	Stop cocks, 1-inch,	13
" fork,	24	" " $\frac{3}{4}$ "	13
" Stillson,	8	" " $\frac{5}{8}$ "	32
" service	6	Shafts, piston,	148
Washers, cork,	1,047	Tongs,	3
Crane, block and fall,	1	Trowels,	3
3-way cock, $1\frac{1}{2}$ inches,	2	Tees, $\frac{3}{4}$ to 4,	89
3 " " 1 inch,	1	Tops, meter,	2
Large iron tank and scale,	1	Torches, flash,	3
Small " " " "	1	Forks, hay,	2
Small tank, wooden,	1	Files,	10
Iron horses,	2	Flanges, flat, 8 by 3 inches,	11
Nipples close, brass, 1-inch,	11	" " 8 " 4 "	25
" " $\frac{3}{4}$ "	34	" " 9 " 3 "	6
" " iron, 2 inches,	3	" " 9 " 4 "	8
" " " 1 inch,	16	" pipe, 6 inches,	10
" " " $\frac{3}{4}$ "	2	" " 4 "	29
" " " $\frac{5}{8}$ "	11	" " 3 "	39
Plates, circular, 3 ft., 1 ft., 10 inches, 5 inches,	4	Frames, iron,	45
Picks,	3	Gears, intermediate,	314
Pots soldér,	1	" clock,	3,215
Pumps, force,	3	" spindle,	1,457
Punches, centre,	1	Gauges, pressure,	2
Pliers,	5	Glands, rubber,	420
Pipe, sub., 6 inches,	1	Glasses, clock,	694
" " 4 "	1	Hammers, striking,	7
" " 3 "	3	" paving,	3
		Hatchets,	1
		Iron fish-box covers,	43

PIPE FITTINGS, ETC., AT SHOP. — *Concluded.*

Iron, soldering,	5	Elbows, brass, $\frac{3}{4}$ -inch,	2
Knives,	5	“ galv. 2 inches,	10
Levers with ratchets,	260	“ “ $1\frac{1}{2}$ “	24
Levers without ratchets,	258	“ “ $1\frac{1}{4}$ “	11
Nipples, 2 inches,	76	“ “ 1-inch,	31
“ $1\frac{1}{2}$ “	53	“ “ $\frac{3}{4}$ “	19
“ 1-inch,	327	Extensions, clock,	14
“ $\frac{3}{4}$ “	168	Ends, Worthington	12
“ $\frac{5}{8}$ “	34	Boxes, wooden, large,	45
“ solder, 2 inches,	47	“ “ small,	31
“ “ $1\frac{1}{2}$ “	46	“ iron, 6 inches,	2
“ “ $1\frac{1}{4}$ “	10	“ “ 4 “	19
“ “ 1-inch,	118	“ “ 3 “	21
“ “ $\frac{3}{4}$ “	9	“ “ 2 “	9
“ “ $\frac{5}{8}$ “	6	“ “ gate,	10
“ close, brass, 2 inch,	48	Bolts, flange, 6 $\times$ $\frac{1}{2}$ -inch,	2
“ “ “ $1\frac{1}{2}$ “	32	“ “ 4 $\times$ $\frac{3}{4}$ “	45
“ “ “ $1\frac{1}{4}$ “	24	“ “ $3\frac{1}{2}$ $\times$ $\frac{5}{8}$ “	13
Couplings, conn., 2-inch,	52	“ “ 3 $\times$ “	136
“ “ $1\frac{1}{2}$ inches,	23	“ “ $2\frac{1}{2}$ $\times$ “	279
“ “ 1-inch,	47	“ “ 2 $\times$ “	8
“ “ $\frac{3}{4}$ “	116	“ “ 2 $\times$ $\frac{9}{16}$ “	490
“ “ $\frac{5}{8}$ “	127	“ for meter bodies, various	
“ comb., 2 “	30	sizes,	6,189
“ “ $1\frac{1}{2}$ -inches,	93	(nuts for same),	3,957
“ “ 1-inch,	48	Boxes, counter,	381
“ brass, 2 inches,	15	Board, leather, lbs.,	175
“ “ $1\frac{1}{2}$ “	51	Buffers, rubber,	206
“ “ $1\frac{1}{4}$ “	34	Binders, Worthington,	108
“ “ 1-inch,	28	Bars, pinch,	2
“ “ $\frac{3}{4}$ “	8	Bars, crow,	2
“ tubes, 2 inches,	17	Bags, tools,	3
“ “ $1\frac{1}{2}$ “	50	Boxes, rosin,	3
“ “ 1-inch,	7	“ tool,	3
“ “ $\frac{3}{4}$ “	53	Boots, rubber, pairs,	4
“ “ $\frac{5}{8}$ “	54	Brooms, floor,	1
Clocks, $\frac{5}{8}$ -inch to 4 inches,	394	Buckets,	2
Chisels, cold,	8	Bottoms, Worthington,	25
Cans, oil,	2	Brackets, wooden,	21
Drills, hand,	1	Bushings, brass, 2 inches,	31
Dials, clock,	730	“ “ $1\frac{1}{2}$ -inch,	22
Discs,	12	“ “ $\frac{3}{4}$ inches,	11
Drills, twist,	217	“ galvanized, $1\frac{1}{2}$ -inch,	5
Drivers, screw,	9	Bolts, stretching,	13
Elbows, brass, 2 inches,	12	Covers, counter-box,	321
“ “ $1\frac{1}{2}$ “	27	“ iron,	90
“ “ $1\frac{1}{4}$ “	14	Connection pieces, $\frac{5}{8}$ -inch to	
“ “ 1-inch,	19	2 inches,	31

APPENDIX B.

REPORT OF THE DISTRIBUTION DIVISION.

OFFICE OF THE SUPERINTENDENT,
710 ALBANY STREET, February 1, 1901.

GENERAL A. P. MARTIN,
Water Commissioner:

I herewith submit the annual report of the Distribution Division for the year ending January 31, 1901.

MAIN PIPE.

Twenty and four-tenths miles of main pipe was laid during the year. Eleven and one-tenth miles was abandoned, and 10,483 feet in Chelsea was taken by the Metropolitan Water Board — making the total length of the Distribution System 713.4 miles.

In addition to the above (and not included in the total length of our system) 3,001 feet of hydrant, reservoir and blow-off pipe was laid, and 1,811 feet abandoned.

There was also laid 691 feet of private main.

Three thousand one hundred and seventy-one feet of main pipe was relocated, by raising, lowering, or moving laterally. This work was necessitated chiefly by the abolishment of grade crossings and street improvements.

About one-half the amount of pipe laid replaced old and small-sized mains laid some years ago and which have since become inadequate to the greater demands imposed upon them by the growth of the City.

The present winter is the first one in the history of the Department when work was carried on throughout the winter in the same manner as during the summer; that is, heretofore, since 1896, during the winter months the main pipe force was employed upon one or two large jobs in the outlying districts where the adverse weather conditions did not so seriously interfere with the work as it might have within the City limits. During the present winter, however, we did considerable relaying in various parts of the City proper

where the streets are paved with granite blocks, and it has proved to be a matter of some expense to maintain the trenches in a safe condition on account of the repeated settlements due to the frost leaving the ground and other conditions characteristic of spring weather.

The Metropolitan Water Board took for its own use the following main pipe and fixtures, located in Chelsea, Chelsea creek and East Boston, between Chelsea bridge on one end and the East Boston pumping station on the other: 456 feet 30-inch main, 4,760 feet 24-inch main, 4,667 feet 20-inch main, 595 feet 16-inch main, 5 feet 12-inch main, 35 feet 12-inch B. O. pipe, 90 feet 6-inch B. O. pipe, 40 feet 4-inch B. O. pipe, 200 feet 4-inch hydrant pipe, 3 24-inch gates, 5 20-inch gates, 1 12-inch gate, 1 12-inch B. O. gate, 2 6-inch B. O. gates, 2 4-inch B. O. gates, 7 4-inch hydrant gates, 7 Boston hydrants, 2 air cocks.

MAIN GATES.

Four hundred and sixty-five of various sized gates were established; 210 were abandoned, and 16, in Chelsea, were taken by the Metropolitan Water Board, making the total number in use 8,910. Besides these, there were 21 blow-off gates established and 12 abandoned, and 5, in Chelsea, taken by the Metropolitan Water Board; 8 private gates established and 1 abandoned; and 4 gates established upon hydrant branches. This last class of gates enables us to make repairs upon hydrants without shutting down the lines — an important disideratum.

An old style left-handed gate at the corner of Boylston street and Tremont street was replaced by one of the pattern in use at the present time.

AIR COCKS.

Twenty-seven air cocks were established and 6 abandoned.

BLOW-OFF COCKS.

Six blow-off cocks were established and 1 abandoned.

CHECK VALVES.

One 8-inch check valve was established upon the Deer Island System. (Private.)

HYDRANTS.

Three hundred and ninety-six hydrants were established, and 267 abandoned, and 7, in Chelsea, were taken by the Metro-

politan Water Board — making the total number connected with our system 7,606. The Bachelder pattern of Post hydrant was used more extensively this year than previously — 103 being added to the system: the total number now in service is 175. It is our policy to use this type of hydrant wherever it is feasible, the Fire Department having shown a decided preference for it.

One thousand four hundred and seventy-five bags of salt were purchased by this Department and delivered to the Fire Department to be used on hydrant covers during the cold weather.

One hundred and seventy-nine thousand one hundred and three inspections of hydrants were made — principally during the cold weather — to detect if possible defects in the working of the hydrants, which if uncorrected might cause a delay of disastrous consequence in case of fire.

We are considerably annoyed at times as a result of the rather promiscuous use of hydrants by contractors, corporations, and City Departments, whose sole desire is to get water, regardless of the means employed. Sometimes, when a regular hydrant wrench is not at hand, a Stillson wrench is employed, with the effect of wearing off the corners of the nut controlling the valve-stem, and thus rendering the hydrant practically useless. Other defects are often caused by the ignorance and carelessness of the parties mentioned above, who in my opinion should get water from other sources. Such an important fixture as a fire hydrant should be held almost sacred, and should be used exclusively for the purpose of extinguishing fires. Its efficiency depends to a great extent upon its readiness for use, and this cannot be expected where it is operated by careless and mechanically ignorant persons.

WATER POSTS.

Twenty-five water posts were established and 11 abandoned — making the total in use 508. As regards these posts we do nothing, except upon orders received from the Street Watering Division, which owns them, and pays for their maintenance.

FOUNTAINS.

During the year drinking fountains were established as follows: 2 cold water (artesian well method) for man only, 1 "ordinary" * for beasts only, 1 cold water (artesian well

* The term "ordinary" is here used to designate those fountains through which water of a normal temperature flows and not cooled by artificial methods.

method) for beasts only. There were abandoned 2 "ordinary" for man and beast, 1 "ordinary" for man only, and 1 "ordinary" for beasts only. An "ordinary" for man only was changed to a "cold water" (artesian well method), and an "ordinary" for beasts only was changed to a "cold water" (artesian well method). The total number of fountains in use is 121, of which 47 are "ordinaries" for man and beast combined, 21 "ordinaries" for man only, 35 "cold water" for man only, 15 "ordinaries" for beasts only, and 2 "cold water" for beasts only.

For the purpose of cooling water for drinking fountains a new system has been inaugurated during the past year. Artesian wells have been driven at several points to a depth of about 100 feet, viz.: Boston Common, Second street, between M street and N street, Post Office square, and the junction of Northampton street and Albany street. A wrought-iron pipe, of about eight inches diameter, and of the same length as the depth of the well, is lowered into the bore and forms a sheathing for the same. This pipe is perforated with small holes which allow a free passage of the well-water through the same, and assure a uniformly low temperature. The supply pipe to the fountain passes through the whole length of the well twice. The water flowing through the pipe is thus cooled by the surrounding well-water, and, as it reaches the faucet in the fountain, it is usually of about 50° Fahrenheit, winter and summer. This is considered by hygienic authorities as sufficiently cold for drinking purposes. The expense and bother of replenishing the ice boxes once or twice a day, as was necessary under the old system, is thus obviated.

SERVICE-PIPES.

One thousand seven hundred and ninety-eight service-pipes (45,559 feet) of various sizes were laid during the year, and 364 service-pipes (9,059 feet) were abandoned — showing a net increase of 1,434 pipes (36,500 feet), and making the total number of service-pipes of all sizes now in use 87,525, with an aggregate length of 2,427,671 feet. Four hundred and twenty-six service-pipes were laid to unoccupied building lots from which no revenue is at present derived. They are included in the foregoing statement.

I am now considering a system which I hope to have in execution the early part of next year, whereby the relative location of all service-pipes to some fixed point may be more easily ascertained than at present. It is now often the case

that we have to dig, and, figuratively speaking, grope our way in an endeavor to locate a service-pipe, for want of definite information as to its location.

The cost of service-pipes laid in streets paved with "pitch and pebble" and asphalt is not to a considerable amount covered by the schedule rates charged for the pipes. This question will require serious consideration in the very near future.

MAINTENANCE.

Repairs of all kind and of varied extent were made upon main-pipe, service-pipes, hydrants, etc., during the year.

There were 549 main-pipe repairs; 12,110 service-pipe repairs; 4,268 hydrant repairs; 4,058 hydrant and gate box repairs; 450 fountain repairs; 1,268 street repairs; 701 dead ends blown off; 7,165 gates tested in service; 6,511 hydrants tested in service; 8,549 gate covers salted in cold weather, and a great deal of miscellaneous work of maintenance character.

The most important break that we had occurred August 8 in the 30-inch low service main in Tremont street, opposite the Hotel Touraine. The water escaped in great quantities, flooding many cellars in the vicinity. It cost \$2,204.52 to repair the pipe, the street and pavement torn up by the water, and to pump out the cellars into which the water entered. Five thousand one hundred and eighty-two dollars and eighty-nine cents was expended in stripping this main between Boylston and Eliot streets, after the break was repaired, for the purpose of discovering any weakness that might exist, and strengthening it where we considered it necessary. There are now in the hands of the Law Department awaiting settlement, 34 claims for alleged damages resulting from this break.

Upon September 5 a leak occurred in the same main at a point in Tremont street, opposite Hollis street. The cost of making repairs was \$435.10. Both of these leaks were caused by settlement, due, no doubt, to the unsettled condition of the street since it was disturbed by Subway construction.

Between October 20 and December 26 we had a series of six breaks in the 48-inch low service main in and near Clinton road, Brookline. These were caused by a combination of increased pressure, poor castings, and settlement. The aggregate cost of repairing the same was \$4,348.93, with a charge from Contractor Driscoll, of Brookline, for repairing the roads torn up by the escaping water to be included.

The 1,268 street repairs, which class of work is rapidly becoming both extensive and expensive, on account of the greater number of "pitch and pebble" and asphalt streets than formerly, varied in expense from \$1 to \$518.

A very desirable class of work performed during the year was the building of 34 brick gate-chambers, replacing wooden boxes. Brick gate-chambers for large gates are obviously an improvement over wooden boxes. Thirty-one brick chambers with wooden tops were fitted with brick tops, thus making the entire chamber of brick.

We are caused considerable expense by relocating our mains in response to the requests of the Sewer Division, the construction work of which very frequently comes in contact with our system. No reimbursement is made to this Department for this outlay.

Early in the year an important change was made in the method of supplying steam for heating our building at 710 Albany street. The exhaust from the engine was utilized, and instead of, as formerly, escaping into the air, it circulates through the heating apparatus of the building and returns to the boiler and is again used for power purposes. This results in a material saving in fuel.

An inspection of the statement appended, showing the manufactures of the machine and carpenter shops, will give an idea of what this branch of the service is doing. In addition, however, to the manufacture of stock, these shops perform a great amount of work of a most diversified nature, necessary to the maintenance of a plant as large as ours. It is of very rare occurrence that we have to call upon outside mechanics or artisans.

Care and attention have been given to the various yards, buildings, reservoirs, and properties of the Department, and they are all in first-class condition.

An auction sale was held January 29, 1901, by which, in addition to large lots of cast-iron and composition junk, a great variety of old and useless material — the accumulation of years — was disposed of to advantage to the Department. Some of the larger items were: 227 tons of cast-iron junk; 4 tons composition and brass chips; 4 tons of brass and composition junk; 2,700 feet of $\frac{3}{4}$ -inch wrought-iron pipe and fittings for same; one Sturtevant Heating System, complete; 12 jack screws; 1,000 pounds tire steel; 26 wagon springs; 1 tip-cart and harness; 4 buggies; 3 wagons; 11 sleighs; and about 150 other lots of varying quantity and quality, for which we received, after deducting the expense of the sale, \$5,601.76.

FIRE RESERVOIRS.

The fire reservoir in Anderson street, opposite the Phillips School-house, together with the 4-inch connection between it and our system, was abandoned.

HARBOR SERVICE.

The additional 12-inch supply laid across Moon Island in 1899 was connected at the sea-wall with the pipe crossing the harbor to Long Island. The usual care and attention were given to the various lines of pipe in the harbor. Bulkheads were built along the shores of the different islands to protect the pipes from the effects of the waves. A sign warning vessels from anchoring in the vicinity of our pipes was built on Rainsford Island; and old signs of a similar character at other points were repainted.

Appended you will find tables showing details of the work performed, and schedule of stock owned by the Department January 31, 1901.

Respectfully yours,

WILLIAM J. WELCH,
Superintendent.

Table showing Length of Distribution Mains Laid and Relaid, Abandoned, and Taken by the Metropolitan Water Board during the year 1900, and the total length of the Distribution System of the City of Boston, January 31, 1901.

	DIAMETER OF PIPES IN INCHES.															Totals.	
	48	42	40	36	30	28	24	20	16	12	10	8	6	4	3		2
Total connected with system, January 31, 1900.....	33,671	16,813	23,104	39,984	82,049	244	83,902	96,700	155,356	1,056,936	81,432	502,439	1,436,102	108,564	7,536	3,485	3,728,317
Length laid and relaid during the year.....	48	.....	.....	9	3,930	.....	140	2,471	16,691	33,168	5,889	24,299	21,476	105	.....	.....	108,226
Length abandoned during the year.....	48	.....	.....	9	1,286	.....	.....	868	1,867	14,529	19	3,830	28,701	7,928	.....	.....	59,085
Length taken by Metropolitan Water Board in Chelsea.....	.....	.....	.....	.....	456	.....	4,760	4,667	595	5	.....	.....	.....	.....	.....	.....	10,483
Total connected with system, January 31, 1901.....	33,671	16,813	23,104	39,984	84,237	244	79,282	93,636	169,585	1,075,570	87,302	522,908	1,428,877	100,741	7,536	3,485	3,766,975 or 713.4 m.

Statement of Hydrant, Blow-off, and Reservoir Pipes, January 31, 1901.

	DIAMETER IN INCHES.								Totals.
	16	12	10	9	8	6	4	3	
Total length in use January 31, 1900.. .. .	472	7,052	105	2,740	1,139	32,375	8,677	3	52,563
Length laid and relaid during the year .. .	.....	174	.....	.....	.....	2,645	182	.....	3,001
Length abandoned during the year.....	.....	276	.....	81	12	484	593	.....	1,446
Length taken by Metropolitan Water Board in Chelsea ... ..	.....	35	.....	.....	.....	90	240	.....	365
Total length in use January 31, 1901.....	472	6,915	105	2,659	1,127	34,446	8,026	3	53,753

Main Gates Established, Abandoned, and Taken by Metropolitan Water Board during the Year, and Number in use January 31, 1901.

	DIAMETER IN INCHES.													Totals.
	48	40	36	30	24	20	16	12	10	8	6	4	3	
Total number in use January 31, 1900.....	1	7	26	44	67	69	258	1,878	173	1,150	4,363	625	10	8,671
Established during the year .....	.....	.....	1	1	1	2	38	157	24	118	123	.....	.....	465
Abandoned during the year .....	.....	.....	1	.....	.....	.....	2	36	.....	22	115	34	.....	210
Taken by Metropolitan Water Board in Chelsea.....	.....	.....	.....	.....	3	5	.....	1	.....	.....	.....	7	.....	16
Total number in use January 31, 1901.....	1	7	26	45	65	66	294	1,998	197	1,246	4,371	584	10	8,910

Blow-off Gates Established and Abandoned during the Year.

	DIAMETER IN INCHES.				Totals.
	12	8	6	4	
Number established.....	4	1	4	12	21
Number abandoned .....	.....	1	2	9	12
Taken by Metropolitan Water Board in Chelsea	1	.....	2	2	5
Increase	3	.....	.....	1	4

Hydrant Gates Established during the Year, and Total Number in Use January 31, 1901.

	DIAMETER.	Total.
	6 inches.	
Number established.....	4	4
Total number in use January 31, 1901.....	4	4

Private Gates Established and Abandoned during the Year.

	DIAMETER IN INCHES.				Total.
	8	6	4	3	
Number established.....	1	4	2	1	8
Number abandoned .....	.....	.....	1	.....	1
Increase	1	4	1	1	7

Hydrants Established and Abandoned during the Year.

	ESTABLISHED.					Totals.	ABANDONED.					Totals.
	Lowry.	Boston Lowry.	Ordinary Post.	Bachelor Post.	Boston.		Lowry.	Boston Lowry.	Ordinary Post.	Bachelor Post.	Boston.	
City Proper (Public)	36	2	17	54	1	110	53	4	16	1	26	100
South Boston (Public).....	8	4	12	....	1	25	1	1	6	....	8	16
“ “ (Private).....	....	....	....	....	....	....	....	....	....	....	1	1
East Boston (Public).....	1	2	17	3	....	23	4	6	3	...	6	19
Roxbury (Public).....	5	8	35	29	....	77	29	13	7	....	3	52
“ (Private).....	1	....	....	....	....	1	1	....	....	....	....	1
Dorchester (Public).....	....	13	42	6	....	61	5	11	10	....	2	28
West Roxbury (Public) .....	....	19	28	....	....	47	4	14	4	....	1	23
Brighton (Public).....	1	14	18	1	....	34	2	3	....	....	2	7
“ (Private).....	....	....	1	....	....	1	....	....	....	....	....	....
Charlestown(Public)	3	....	2	11	....	16	10	1	1	....	....	12
Deer Island (Private). . . . .	....	....	1	....	....	1	....	....	....	....	....	....
Brookline .....	....	....	....	....	....	....	5	....	....	....	3	8
Chelsea (Taken by Met. Water Board) .....	....	....	....	....	....	....	....	....	....	....	7	7
Total Number of Public....	54	62	171	104	2	393	108	53	47	1	48	257
Total Number of Private and Suburban	1	....	2	....	....	3	6	....	....	....	11	17

Total Number of Hydrants Connected with Distribution System January 31, 1901.

	Lowry.	Boston Lowry.	Ordinary Post.	Bachelor Post.	Boston.	Total.	NOTES.
City Proper (Public)....	753	49	348	82	217	1,449	*26 Bostons } *1 Ordinary Post } not for fire.
“ “ (Private)...	....	....	11*	....	44*	55	
South Boston (Public)...	233	32	182	4	125	576	*2 Bostons } *4 Ordinary Posts } not for fire.
“ “ (Private)..	2	....	13*	....	32*	47	
East Boston (Public)....	144	22	211	4	7	388	*7 not for fire.
“ “ (Private)...	8	....	7	....	25*	40	
Car'd forw'd. { Pub. 1,130 103 741 90 349 2,413 { Priv. 10 31 101 142							

Total Number of Hydrants. — *Concluded.*

	Lowry.	Boston Lowry.	Ordinary Post.	Bachelor Post.	Boston.	Total.	NOTES.
<i>Bro't forw'd.</i> { <i>Pub.</i> 1,130 103 741 90 349 2,413 { <i>Priv.</i> 10 31 101 142							
Roxbury (Public).....	586	81	466	53	45	1,231	
“ (Private).....	1*	.....	.....	.....	10*	11	*1 Lowry } not for fire. *1 Boston }
Dorchester (Public).....	503	245	984	15	32	1,779	
“ (Private).....	.....	1	1*	.....	4*	6	*1 Boston } not for fire. *1 Ordinary Post }
West Roxbury (Public).	119	236	646	3	30	1,034	
“ “ (Private).....	.....	.....	14	.....	1	15	
Brighton (Public).....	70	84	388	1	23	566	
“ (Private).....	.....	.....	7	.....	2*	9	*2 not for fire.
Charlestown (Public)....	198	36	49	13	2	298	
“ (Private)...	14	1	36	.....	6*	57	*1 not for fire.
Deer Island (Private)...	.....	.....	19	.....	.....	19	
Long Island (Private) ..	.....	.....	6	.....	.....	6	
Thompson's Island (Private).....	.....	.....	2	.....	.....	2	
Rainsford Island (Private).....	.....	3	1	.....	1*	5	*1 not for fire.
Gallop's Island (Private).....	.....	.....	1	...	1*	2	*1 not for fire.
Quincy.....	.....	.....	11	.....	.....	11	
Total number of Public Hydrants.....	2,606	785	3,274	175	481	7,321	
Total number of Private and Suburban Hydrants.....	25	5	129	....	126	285	

Water Posts.

DISTRICT.	Number in use Jan. 31, 1900.	Established during the year.	Abandoned during the year.	Number in use Jan. 31, 1901.
City proper.....	75	3	1	77
South Boston.....	38	2	1	39
East Boston.....	41	1	1	41
Roxbury	78	2	2	78
Dorchester	100	6	1	105
West Roxbury	88	7	2	93
Brighton	53	2	2	53
Charlestown	21	2	1	22
Totals	494	25	11	508

**Statement of Location, Size and Number of Feet of Main Pipe
Extended during the Year ending January 31, 1901.**

NOTE.—C. P. indicates City Proper; Rox., Roxbury; W. R., West Roxbury; Bri., Brighton; Dor., Dorchester; So. B., South Boston; E. B., East Boston; Chsn., Charlestown.

LOCATION.		District.	Size.	Length.
Washington st....	Between Bowdoin st. and Talbot ave.....	Dor.	30-in.	2,912
Boston Common..	Opposite West st.....	C. P.	24-in.	135
B st.....	Between Danby and Binford sts.....	So. B.	"	5
	Total 24-in.....			<u>140</u>
Tremont st.....	At Castle sq. and over railroad bridge....	C. P.	20-in.	211
Adams st.....	Near Minot st.....	Dor.	"	12
B st.....	Between Danby and Binford sts.....	So. B.	"	293
Binford st.....	" A and B sts.....	"	"	894
	Total 20-in.....			<u>1,410</u>
Boston Common (H. S.).....	Opposite West st.....	C. P.	16-in.	98
Chandler st.....	At Tremont st.....	"	"	8
Tremont st.	" West st.....	"	"	116
Washington st....	Between Bowdoin st. and Talbot ave. ...	Dor.	"	15
Binford st.....	" A and B sts.....	So. B.	"	36
Swett st.....	Between N. Y., N. H. & H. R.R. bridge and Magazine st.....	"	"	1,334
	Total 16-in.....			<u>1,607</u>
Albany st. (H. S.)..	Between Beach and Kneeland sts.....	C. P.	12-in.	172
Atlantic ave.....	At Pearl st.....	"	"	12
Beach st. (H. S.)..	Between Kingston and Lincoln sts.....	"	"	154
Broad st. (H. S.)..	At Wharf st.....	"	"	3
Chandler st.....	" Tremont st.....	"	"	12
Dorchester ave. (L. S.).....	From Congress st.....	"	"	37
Exeter st. (H. S.)..	Between Huntington ave. and Boylston st.	"	"	549
Franklin st. (H. S.)	Across Oliver st.....	"	"	18
High st. (H. S.)...	At Summer st.....	"	"	62
India st. (H. S.)...	Between India sq. and Wharf st.....	"	"	162
India st. (H. S.)...	" Wharf and Custom House sts....	"	"	215
Kingston st. (H. S.)	At Beach st.....	"	"	70
	Carried forward.....			<u>1,466</u>

Statement of Main Pipe Extended. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			1,466
Pleasant st.....	At Porter st.....	C. P.	12-in.	11
Portland st. (H. S.)	Between Sudbury and Market sts.....	"	"	158
Purchase st. (H. S.)	Across Oliver st.....	"	"	64
Summer st.....	Between Federal and Lincoln sts.....	"	"	11
Tremont st. (H. S.)	Between Boylston st. and Van Rensselaer place	"	"	258
Washington st., east side	At north side Massachusetts ave.....	"	"	14
Washington st., west side.....	Between Northampton and West Canton sts.	"	"	2,155
Wharf st. (H. S.)..	Between India and Broad sts.....	"	"	267
Willow st.....	" Chestnut and Mt. Vernon sts....	"	"	132
" " (H. S.)..	" " " "	"	"	259
Bucknam st.....	" Lawn and Wensley sts.	Rox.	"	231
Columbus ave.....	At Roxbury st.....	"	"	12
Hutchins ave....	" Day st.....	"	"	6
Parker st.....	Between Ruggles and Ward sts.....	"	"	578
S. Huntington ave.	At Heath st.....	"	"	40
Baker st. (H. S.)..	Between Belle and Ballinakill aves.....	W. R.	"	117
Beech st.....	" Belgrade ave. and New Park st.	"	"	241
" "	" Linden and Cypress sts.	"	"	68
Keyes st.....	Across South st.....	"	"	70
Pelton st.....	Near Irving st.....	"	"	55
Washington st....	At Boylston st.....	"	"	10
Weld st.....	From Arnold st.....	"	"	290
Barry st.....	Between Hamilton and Richfield sts.....	Dor.	"	303
Geneva ave....	" Homes ave. and Bowdoin st.....	"	"	334
Harlem st.	" Blue Hill ave. and Norfolk st....	"	"	1,053
Homes ave.	At Draper st.....	"	"	20
" "	Between Topliff st. and Geneva ave.	"	"	592
Normandy st.....	Across Seaver st.....	"	"	32
Seaver st.	Between Blue Hill ave. and Columbia road	"	"	604
Selden st.	" Morton and Nelson sts.	"	"	231
West Selden st. ...	" Crossman and Morton sts.....	"	"	72
Woodlawn ave....	At West Selden st.	"	"	32
Summer st.....	Between D and E sts.....	So. B.	"	525
	<i>Carried forward</i>			10,311

Statement of Main Pipe Extended. — Continued.

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			10,311
Commonwealth ave., south side..	Between Kinross road and Chestnut Hill ave.....	Bri.	12-in.	1,508
Faneuil st.	Between Hobart and Parsons sts.....	"	"	584
Parsons st.....	" No. Beacon and Faneuil sts.	"	"	1,064
Wallingford road.	From Commonwealth ave.....	"	"	641
Perkins st.....	Between Cambridge and Haverhill sts....	Chsn.	"	27
" "	" Brighton st. and B. & M. R.R. ...	"	"	16
Frankfort st.....	Near Maverick st.....	E. B.	"	48
Moon Island.....	Boston Harbor.....	B. H.	"	48
Deer Island.....	At Shirley Gut.....	"	"	58
Shirley Gut.....	Between Deer Island and Point Shirley...	"	"	420
Point Shirley.....	At Shirley Gut.....	Winthr'p	"	135
	Total 12-inch.....			<u>14,860</u>
Broad st. (H.S.)...	At Wharf st.....	C. P.	10-in.	32
Congress st. (H.S.)	Between Gilbert pl. and Dorchester ave..	"	"	205
Congress st. (H.S.)	Between Purchase and High sts....	"	"	172
Dorchester ave. (H.S.).....	From Congress st.....	"	"	80
Oliver st. (H.S.)..	Between Atlantic ave. and Purchase sts..	"	"	147
" " " ..	" " " " Franklin st....	"	"	739
Goldthwait st.....	Off Parker st.....	Rox.	"	4
Sterling st.....	At Warwick st.....	"	"	28
Willis st.....	Off Parker st.....	"	"	5
Bellevue st.....	Between Martin and Robin sts.....	W. R.	"	66
Colberg ave.....	" REXHAME and Arden sts.....	"	"	36
Spring st.....	" Charles river and Billings st....	"	"	574
Holmes ave.....	Off Harvard ave.....	Bri.	"	498
Newcastle road...	From Faneuil st.....	"	"	266
" " ...	Between Faneuil st. and Hobson road....	"	"	472
	Total 10-inch.....			<u>3,324</u>
Boylston st. (H.S.)	At Bumstead ct.....	C. P.	8-in.	5
Central wharf (north side)....	" Atlantic ave.....	"	"	16
Congress st. (L.S.)	Between Gilbert pl. and Dorchester ave..	"	"	203
Constitution wharf.	At Commercial st.....	"	"	38
	<i>Carried forward</i>			<u>262</u>

Statement of Main Pipe Extended. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			262
Dorchester ave. (L.S.).....	From Congress st.....	C. P.	8-in.	45
Fort Hill sq. (H.S.)	Across Oliver st.....	"	"	22
India wharf.....	At Atlantic ave.....	"	"	14
Lewis wharf (north side).....	" " "	"	"	16
Long wharf.....	" " "	"	"	8
Metropolitan wharf.....	" " "	"	"	16
Porter st.....	" Pleasant st.....	"	"	20
Union wharf.....	" Commercial st.....	"	"	18
Ashby st.	Between Bay State road and Common- wealth ave.....	Rox.	"	324
Bay State road....	Granby and Essex sts.....	"	"	1,565
Caldwell st.	Off Parker st.	"	"	4
Chilmark st.	Between Bay State road and Common- wealth ave.....	"	"	272
Darling st.	Between Hillside and Calumet sts....	"	"	514
Harold st.	" Hollander and Harrishof sts	"	"	495
" "	" " " Waumbeck sts...	"	"	248
Harrishof st.	" Harold st. and Humboldt ave. ..	"	"	501
Hollander st.	" " " Crawford sts....	"	"	379
" "	At Harold st.....	"	"	21
Pequot st.....	" Darling st.....	"	"	22
" "	Between Wait and Darling sts.....	"	"	160
Roys st.	From Mozart st.	"	"	182
Weston st.	Across Warwick st.....	"	"	14
" "	Between Warwick and Cabot sts.....	"	"	95
Ashland st.	At Hyde Park ave.....	W. R.	"	5
Irving st.....	Anawan ave. and Pelton st.....	"	"	5
Kenneth st.	Off Stratford ave.....	"	"	24
Lawn st.	" Mt. Hope st.....	"	"	166
" "	" " "	"	"	57
Stratford ave.....	Between Anawan ave. and Clement ave...	"	"	537
Temple st.	" Lassell and Baker sts.....	"	"	358
Tower st.....	Between Hyde Park ave. and Forest Hills Cemetery.....	"	"	26
Union terrace....	From Morton st.	"	"	657
	<i>Carried forward</i>			7,052

Statement of Main Pipe Extended.— *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			7,052
Ballou ave.....	Near Mascot st.	Dor.	8-in.	46
Batchelder st.....	Between Marshfield and Burrell sts.	"	"	212
Ceylon-st. extension	At Quincy st.	"	"	18
Ceylon-st. extension	" " "	"	"	227
Christopher st.....	Between Dorchester ave. and Adams st. ..	"	"	239
Cushing ave.....	" Cushing ave. and Upham st.....	"	"	123
Fowler st.....	" Glenway and McLellan sts.	"	"	141
" "	" McLellan and Glenway sts.	"	"	251
Greenwood st.	" York and Fowler sts.	"	"	377
Joseph st.....	" Wainwright st. and Talbot ave...	"	"	37
Lyons st.....	At Callender st.....	"	"	8
Magdala st.	Between Van Winkle and Codman sts.....	"	"	8
Marsh st.....	From Granite ave.	"	"	1,107
Oak Hill ave.....	Across West Selden st.	"	"	45
Seaborn st.....	Between Kenwood st. and Moultrie ave...	"	"	151
Silloway st.....	" Mather st. and Melville ave.....	"	"	411
Templeton st.....	" Dawson and Florida sts.....	"	"	104
Willowwood st....	" Harwood and Harvest sts.....	"	"	206
Woolson st.....	" Norfolk and Wildwood sts.....	"	"	561
E st.....	At Summer st.....	So. B.	"	76
Powers st.....	" Dorchester ave.....	"	"	25
" "	" Boston st.....	"	"	145
Brooksdale road..	Off Parsons st.....	Bri.	"	2
" " ..	" Raneleigh road.....	"	"	276
Crosby st.....	At " "	"	"	63
Cummings road...	Off Corey road.....	"	"	646
Dustin st.....	Between Cambridge and North Beacon sts.	"	"	45
Holton st.....	Off Raneleigh road.....	"	"	3
Idlewild st.....	Between Commonwealth and Holmes aves.	"	"	387
Kinross road.....	At Commonwealth ave.....	"	"	25
Raneleigh "	Between Hobart and Corinne roads.....	"	"	201
" "	" Riverview and Corinne roads...	"	"	452
Ridgemont st. ...	West from Eleanor st.....	"	"	24
Riverview road...	Off Parsons st.....	"	"	2
	<i>Carried forward</i>			13,696

Statement of Main Pipe Extended. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			13,696
Riverview road...	Between Raneleigh road and Parsons st..	Bri.	8-in.	348
Rodney st.....	At Cambridge st.....	"	"	53
Strathmore road..	Between Commonwealth ave. and Chiswick road.....	"	"	218
Webster st.....	At Dunboy st.....	"	"	114
" ".....	From Bigelow st. (west).....	"	"	270
Ashley st.....	Between Breed and Bennington sts.....	E. B.	"	700
Deer Island.....	At Shirley Gut.....	B. H.	"	9
Point Shirley.....	" " "	Win.	"	29
	Total 8-inch.....			15,437
Battery wharf....	At Commercial st.....	C. P.	6-in.	32
Blagden st.....	At Exeter st.....	"	"	9
Cazenove st.....	Between Chandler st. and railroad.....	"	"	10
Eastern ave. (north side)	At Commercial st.....	"	"	5
Fiske's wharf.....	" " "	"	"	44
Gilbert pl. (H. S.).	From Congress st.....	"	"	3
Lewis wharf (so. side).....	At Atlantic ave.....	"	"	15
Sargent's wharf...	At Commercial st.....	"	"	9
Stillman pl.....	Off Stillman st.....	"	"	11
T wharf.....	At Atiantic ave.....	"	"	15
Van Rensselaer pl. (H. S.)	Off Tremont st.....	"	"	236
Bickford ave.....	At Heath st.....	Rox.	"	4
Cabot pl.....	" Warwick st.....	"	"	16
Cardington st.	" Fenner st.....	"	"	28
Dunford st.....	" " "	"	"	31
Echo st.....	Between Columbus ave. and Centre st....	"	"	56
Gayland ave.....	" West Cottage and Judson sts....	"	"	27
Graham st.....	" Hutchings st. and Blue Hill ave.	"	"	207
Holworthy st.....	At Harold st.....	"	"	11
Kempton st.....	Between Huntington ave. and Kenwood road	"	"	590
Park View st.....	Between Seaver and Hutchings sts.....	"	"	218
Parker st.....	At Tremont st.....	"	"	5
Penryth st.....	Between Columbus ave. and Centre st...	"	"	50
	<i>Carried forward</i>			1,632

Statement of Main Pipe Extended.— *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			1,632
Sunnyside terrace.	At Creighton st.....	Rox.	6-in.	69
Unnamed street off Francis st.	1st, left from Huntington ave.....	"	"	197
Wait st.....	Between Huntington ave. and Pequod st..	"	"	5
Waumbeck st.	" Harold st. and Humboldt ave....	"	"	26
Boylston st.....	At Chestnut ave.....	W. R.	"	44
Brook road.....	Between Plainfield and Stedman sts.....	"	"	208
Calder st.....	" Blue Hill ave. and Canterbury st.	"	"	283
Carolina ave.....	" Lee and South sts.....	"	"	50
Childs st... ..	At South st.....	"	"	119
Grovenor road....	From Centre st.....	"	"	276
" "	Between Pond and Centre sts.....	"	"	205
Heathcote st	" Poplar and Hawthorne sts.....	"	"	45
Irving st	" Anawan ave. and Pelton st.....	"	"	204
John A. Andrew st.	" Sedgwick and Newbern sts.....	"	"	41
Linden st.....	" Between Beech and Cornell sts..	"	"	230
" ".....	From Cornell st.....	"	"	131
Lorraine st.....	Between Belgrade and Colberg aves.....	"	"	131
Newbern st.....	At Bishop st.....	"	"	28
Orange st.....	Between Cornell and Brooks sts.....	"	"	101
Park pl.....	Off Myrtle st.....	"	"	211
Paul Gore st.....	At Chestnut ave.....	"	"	19
Plainfield st.....	At Brook road.....	"	"	25
School st.	Between Copley and Amory sts.	"	"	59
South Fairview st.	" Roberts and Brookfield sts.....	"	"	149
Taft st.....	At Cohasset st.....	"	"	4
Temple terrace	Off Temple st.....	"	"	3
Washington st.....	Between Morton and Tower sts.....	"	"	456
Woodside ave.....	At Washington st.....	"	"	119
Worley st.....	Off Weld st.....	"	"	4
Bowman st.....	Between Blackwell and Chickatawbut sts.	Dor.	"	208
Brent st.	" Wainwright and Melbourne sts. .	"	"	24
Callender st.	" Tucker st. and railroad.....	"	"	30
Ceylon st.....	At Quincy st.....	"	"	5
Chase st.....	Between East Cottage and Willis st.	"	"	143
	<i>Carried forward</i>			5,484

Statement of Main Pipe Extended.—*Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			5,484
Chase st.....	From Willis st.....	Dor.	6-in.	194
Coleman st.....	Between Draper ct. and Quincy st.....	"	"	145
" "	" Quincy and Trent sts.....	"	"	152
Conrad st.....	Off Sumner st.....	"	"	237
Dawson st.....	From Templeton st.....	"	"	178
Denvir st.....	Between Edwin and Lonsdale sts.....	"	"	204
Draper st.....	" Homes ave. and Bowdoin st....	"	"	493
" ct.....	" Bowdoin and Clarkson sts.	"	"	323
Folsom st.....	From Robin Hood st.	"	"	98
Halborn st.....	Off West Selden st.....	"	"	4
Harlem st.....	" Greenwood st.....	"	"	187
" " (H.S.)..	Between Glenway and Greenwood sts....	"	"	428
Harvest st.....	From Willowwood st.....	"	"	151
Intervale st.	Between Blue Hill ave. and Normandy st..	"	"	8
Kineo st.....	Off Magnolia st.....	"	"	152
Quincefield st.	Between Humphreys st. and Humphreys sq.	"	"	157
" "	Between Humphreys st. and Humphreys sq.....	"	"	134
Roland road.....	Between Randolph road and Oakland st..	"	"	362
Shepton st.....	" Dorchester ave. and Florida st..	"	"	348
Unnamed st.	Across West Selden st. 129 ft. south from 4th Post Hydrant from Morton st.....	"	"	49
" "	Across West Selden st. 175 ft. from 2d Post Hydrant from Morton st.	"	"	49
" "	Off Barry st. near Richfield st.....	"	"	20
Wales pl.....	" Columbia road	"	"	184
Woodcliff st.....	" Howard ave.	"	"	34
Woodward Pk. st.	Between Folsom st. and Howard ave.....	"	"	82
Albert st	From Kemp st.....	So. B.	"	176
Blake pl.....	Off Boston st.	"	"	160
Champney st.....	From Newman st.....	"	"	168
Hamlin st.....	Between Eighth and Ninth sts.....	"	"	36
Tuckerman st.....	Off Dorchester st.....	"	"	55
Bothwell road	From Faneuil st	Bri.	"	200
" "	Between Faneuil st. and Hobson road	"	"	356
Corinne road	Off Raneleigh road... ..	"	"	150
	<i>Carried forward</i>			11,158

Statement of Main Pipe Extended. — *Concluded.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward.....</i>			11,158
Donnybrook road	From Faneuil st	Bri.	6-in.	283
“ “	Between Faneuil and Hobson sts.....	“	“	606
Dunboy st	“ Webster and Hardwick sts	“	“	236
Elko st	At Cambridge st	“	“	48
High Rock way...	Between Webster and Allston sts.....	“	“	358
Unnamed st.....	Nearly opposite Telford st.....	“	“	3
“ “	Off Wallingford road (400 ft. from Commonwealth ave.).....	“	“	2
Antrim st	Off Ashley st.....	E. B.	“	38
Ida st	“ Ruth st.....	“	“	3
Lewis st.....	Between Webster and Sumner sts.....	“	“	307
Wordsworth st....	Between Saratoga and Pond sts.....	“	“	108
Moon Island	Boston Harbor.....	B. H.	“	36
	Total 6-inch			13,186
Head pl.....	Rear Tremont Theatre.....	C. P.	4-in.	13
Whittier st.....	Between Columbus ave. and Ruggles st...	Rox.	“	60
	Total 4-inch			73

Statement of Location, Size, and Number of Feet of Main Pipe Relaid during the Year ending January 31, 1901, and Former Size of the Same.

LOCATION.		District.	Size.	Length.	Former Size.
Clinton road.....	At Dean road.....	Bk'line.	48-in.	12	48-in.
“ “	“ “ “	“	“	19	“
“ “	“ “ “	“	“	7	“
“ “	“ Sumner road.....	“	“	5	“
“ “	“ “ “	“	“	5	“
	Total 48-inch.....			48	
Tremont st.....	At Boylston st.....	C. P.	36-in.	9	36-in.

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
Tremont st.....	Between Boylston and La Grange sts.....	C. P.	30-in.	9	30-in.
“ “	At Castle sq. and over railroad bridge.....	“	“	37	“
“ “	Opposite Hollis st.....	“	“	12	“
Cambridge st.....	At Sever st.....	Chsn.	“	19	“
“ “	Between Sever and Perkins sts....	“	“	407	“
Perkins st.....	Between Cambridge and Brighton sts.....	“	“	440	“
Chestnut Hill ave..	Over B. & A. Railroad.....	Bk'line.	“	94	“
Total 30-inch.....				1,018	
Boylston st.....	At Berkeley st.....	C. P.	20-in.	20	20-in.
Huntington ave....	“ Exeter st.....	“	“	4	“
Tremont st.....	At Castle sq. and over railroad bridge....	“	“	193	“
Boston st. (west side)	Between Andrews sq. and Washburn st.....	So. B.	“	838	“
Boston st. (west side).....	At Washburn st.....	“	“	6	“
Total 20-inch.....				1,061	
Atlantic ave.....	Opposite No. 257.....	C. P.	16-in.	16	16-in.
“ “	“ “ 309.....	“	“	16	“
“ “	Between Oliver and Commercial sts.....	“	“	3,329	12-in.
“ “	At Pearl st.....	“	“	20	16-in.
Charles st.....	“ Beacon st.....	“	“	4	“
Clinton st.....	“ Atlantic ave	“	“	17	6-in.
“ “	Between Atlantic ave. and Commercial st.....	“	“	659	“
“ “	At Commercial st.....	“	“	70	“
Commercial st.....	“ Clinton st.....	“	“	77	12-in.
“ “	Between Prince st. and Atlantic ave.....	“	“	3,067	“
“ “	At South Market st.....	“	“	3	16-in.
Hanover st.	At Commercial st.	“	“	25	12-in.
Hollis st.....	“ Washington st.....	“	“	6	16-in.
Kneeland st.....	Between Utica and Albany sts....	“	“	365	6-in.
Summer st.	“ Dewey sq. and South st..	“	“	128	12-in.
“ “	“ Federal and Lincoln sts.	“	“	509	12-in.
Carried forward.....				8,311	

Statement of Main Pipe Relaid. — Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			8,311	
Tremont st.....	At West st.....	C. P.	16-in.	18	16-in.
Blue Hill ave.....	Between Edgewood and Maywood sts.	Rox.	"	556	8-in.
Huntington ave....	At Parker st.	"	"	9	16-in.
Seaver st.....	" Park View st.....	"	"	3	"
Terrace st.....	" Alleghany st.....	"	"	4	"
" "	" Tremont st.....	"	"	14	"
Centre st.....	" South line of Lochstead ave....	W. Rox.	"	3	"
Corinth st.....	Between Birch and Washington sts.	"	"	492	6-in.
Blue Hill ave.	At Harlem st.	Dor.	"	4	16-in.
" " "	75 feet south of Morton st.	"	"	3	"
" " "	35 feet north of Woolson st.	"	"	3	"
Talbot ave.	At Washington st.	"	"	3	"
" "	" " "	"	"	18	"
Boston st. (east side)	Between Andrews sq. and Rawson st.	So. B.	"	925	"
Boston st. (east side)	At Washburn st.....	"	"	3	"
Dorchester ave. ...	Between Howell and Hyde sts. ...	"	"	1,266	12-in.
Swett st.	Between Andrews sq. and N. Y., N. H. & H. R.R.	"	"	532	"
" "	Between N. Y., N. H. & H. R.R. bridge and Magazine st.....	"	"	46	"
Chestnut Hill ave..	At Commonwealth ave.....	Bri.	"	3	16-in.
Western ave.	Between Everett and Market sts. .	"	"	2,854	12-in.
East Boston reservoir	Brooks st. side.....	E. B.	"	9	16-in.
Maverick st.....	At London st.....	"	"	5	"
	Total 16-inch			15,084	
Albany st.	At Kneeland st.....	C. P.	12-in.	17	12-in.
" "	" Massachusetts ave.....	"	"	10	"
Atlantic ave.	" Pearl st.	"	"	5	"
" "	" South Market st.....	"	"	6	"
" " (H. S.)	" Oliver st.	"	"	3	"
Beacon st.....	" Beaver st.	"	"	3	"
" "	" Brimmer st.	"	"	5	"
	<i>Carried forward</i>			49	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District	Size.	Length.	Former Size.
	<i>Brought forward</i>.....	.....	.....	49	
Beacon st.	Opposite No. 114.....	C. P.	12-in.	3	12-in.
“ “ ...	Between Charles and Joy sts.....	“	“	1,202	6-in.
“ “	Between Clarendon and Berkeley sts.	“	“	12	12-in.
“ “ , ...	187 feet west of Clarendon st.....	“	“	3	“
“ “ ...	At Hereford st.....	“	“	6	“
“ “	Opposite No. 152	“	“	5	“
“ “	Near River st.....	“	“	8	“
Blackstone st.....	At Fulton st.....	“	“	5	12-in.
Boylston st. (H.S.)	50 feet west of Tremont st.....	“	“	13	“
“ “	At Head pl.....	“	“	4	“
“ “ (H.S.)	Between Tremont st. and Boylston pl.....	“	“	252	8-in.
“ “ (L.S.)	Between Tremont and Washing- ton sts.....	“	“	565	6-in.
“ “	At Hereford st.....	“	“	3	8-in.
Broad st.....	“ Atlantic ave.....	“	“	12	“
Canton st. (East and West).	Across Washington st.....	“	“	125	6-in.
Central wharf (south side).....	At Atlantic ave.....	“	“	30	8-in.
Charter st.....	“ Commercial st.....	“	“	21	6-in.
Chestnut st.....	Between Spruce and Willow sts..	“	“	88	“
Clinton st.....	At Commercial st.....	“	“	4	12-in.
Commerce st.....	“ Atlantic ave.....	“	“	15	6-in.
Commercial st....	“ Clark st.....	“	“	8	12-in.
“ “	“ “ “	“	“	13	“
“ “	Near Charter st.....	“	“	8	“
“ “	At Battery st.....	“	“	7	“
“ “	Between Prince st. and Atlantic ave.	“	“	12	“
“ “	Between Richmond st. and Com- mercial wharf.....	“	“	14	“
Congress st.....	At Franklin st.....	“	“	5	“
Corning st.....	Between Wheeler and Porter sts..	“	“	317	6-in.
Devonshire st.....	“ State and Water sts..	“	“	456	“
Federal st.....	At Summer st.....	“	“	8	12-in.
Fleet st.....	“ Commercial st.....	“	“	25	“
	<i>Carried forward</i>.....	.....	.....	3,298	

Statement of Main Pipe Relaid.— Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward.....</i>			3,298	
Foster st.....	At Commercial st.....	C. P.	12-in.	12	6-in.
Franklin st. (L.S.)	Across Oliver st.....	"	"	53	"
Hanover st.....	At Commercial st.....	"	"	5	12-in.
Harrison ave.....	" Massachusetts ave.....	"	"	15	"
" "	" " "	"	"	7	"
" "	" Oak st.....	"	"	14	"
High st. (H.S.)....	" east line of Oliver st.....	"	"	4	"
" " (L.S.)....	" Summer st.....	"	"	69	6-in.
Hull st.....	" Commercial st.....	"	"	22	"
Joy st.....	At Pinckney st.....	"	"	6	12-in.
Lincoln st.....	" Summer st.....	"	"	25	6-in.
Massachusetts ave.	Between Albany and Washing- ton st.....	"	"	1,360	"
Massachusetts ave. (north side)....	Across Washington st.....	"	"	124	"
Merrimac st.....	At Causeway st.....	"	"	4	12-in.
Mt. Vernon st.....	" Louisburg sq.....	"	"	3	"
Newbury st.....	" Hereford st.....	"	"	3	"
Newton st. (East and West).....	Across Washington st.	"	"	16	"
Newton st.	At James st	"	"	6	"
Northampton st...	Across Washington st.....	"	"	20	"
North st.....	At Commercial st.....	"	"	52	8-in.
" "	" Barrett st.....	"	"	6	12-in.
" "	" Ferry st.....	"	"	7	"
Oliver st. (L. S.)...	Between Atlantic ave. and Frank- lin st.....	"	"	661	6 and 12-in.
Pinckney st.....	Between Joy and Anderson sts....	"	"	335	6-in.
Pleasant st.....	At Kirkland st.....	"	"	3	12-in.
" "	" Porter st.....	"	"	90	"
Richmond st.....	" Atlantic ave.....	"	"	15	8-in.
" "	" Commercial st.....	"	"	48	"
School st.....	" Washington st.....	"	"	4	12-in.
South Market st...	Between Atlantic ave. and Com- mercial st.....	"	"	756	6-in.
" " " ..	At Atlantic ave	"	"	12	12-in.
South st	" Summer st.....	"	"	19	8-in.
	<i>Carried forward.....</i>			7,074	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
<i>Brought forward</i>				7,074	
Spruce st.....	At Beacon st.....	C. P.	12-in.	6	12-in.
“ “	Between Beacon and Chestnut sts.	“	“	307	4-in.
State st.....	At Atlantic ave.....	“	“	16	8-in.
Tremont st.....	Opposite Van Rensselaer pl.....	“	“	4	12-in.
“ “	At Union Park st.....	“	“	3	“
Washington st.....	“ Canton st.....	“	“	7	6 and 12-in.
“ “	“ North side Massachusetts ave..	“	“	5	12-in.
Washington st. (east side).....	Between Northampton and East Canton sts.....	“	“	2,192	6-in.
Water st.....	At Devonshire st.....	“	“	4	12-in.
Worcester st.....	Across Washington st.....	“	“	116	6-in.
Alleghany st.....	Between Parker and Terrace sts..	Rox.	“	325	4-in.
Beacon st.....	Between Charlesgate West and Raleigh st... ..	“	“	585	6 and 8-in.
Blue Hill ave.....	At Clifford st.. ..	“	“	3	12-in.
“ “ “	“ Julian st.....	“	“	10	“
Brookline ave.....	Near Peabody st.....	“	“	3	“
Bucknam st.....	Between Lawn and Wensley sts..	“	“	5	“
Calumet st.....	Near Parker Hill ave.....	“	“	3	“
Charlesgate, West.	At Beacon st.....	“	“	48	8-in.
Clifford st.....	Between Blue Hill ave. and War- ren st.....	“	“	1,206	6-in.
Columbus ave.....	At Roxbury st.....	“	“	12	12-in.
“ “	“ Tremont st.....	“	“	8	“
Crawford st.....	“ Hollander st.....	“	“	3	“
Creighton st.....	From Centre st.....	“	“	4	“
“ “	At Day st.....	“	“	6	“
“ “	“ Sunnyside terrace.....	“	“	3	“
Day st.....	“ Creighton st.....	“	“	4	“
“ “	“ Hutchins ave.....	“	“	4	“
“ “	“ Minden st. and Round Hill st. ..	“	“	97	“
“ “	“ north line of Creighton st.....	“	“	3	“
Dewey st.....	“ Blue Hill ave.....	“	“	8	“
Edgewood st.....	“ “ “ “	“	“	3	“
Fort ave.....	Near Highland Park.....	“	“	4	“
<i>Carried forward</i>				12,081	

Statement of Main Pipe Relaid.—*Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			12,081	
Heath st.....	At South Huntington ave.....	Rox.	12-in.	10	12-in.
Huntington ave....	" Kempton st.....	"	"	6	"
Lawn st.....	Between Hayden and Bucknam sts.	"	"	3	"
New Heath st. (south side).....	At Centre st.....	"	"	3	"
Northampton st....	West line of Albany st.....	"	"	3	"
Parker st.....	Between Ruggles and Ward sts...	"	"	6	"
Parker Hill ave....	Near Calumet st.....	"	"	3	"
" " "	At Fisher ave.....	"	"	3	"
Roxbury st.....	" Gardner st.....	"	"	20	"
South Huntington ave.....	" Heath st.....	"	"	8	"
Tremont st.....	Between Columbus ave. and Parker st.....	"	"	281	6. and 12-in.
Warren st.....	At Clifford st.....	"	"	13	12-in.
Westminster st....	Between Williams and Sterling sts.	"	"	208	6-in.
Beech st.....	Between Belgrade and New Park ave	W. R.	"	8	12-in.
Birch st.....	At Penfield st.....	"	"	31	8-in.
Centre st.....	" Grovenor road.....	"	"	3	12-in.
Gardner st.....	" 1st Post Hydrant from Baker st.	"	"	6	"
" "	" 2d " " " " "	"	"	8	"
" "	" 3d " " " " "	"	"	5	"
Hyde Park ave....	" Larch pl.....	"	"	6	"
Keyes st.....	Across South st.....	"	"	10	"
La Grange st	At Pleasant st.....	"	"	10	"
Pelton st	Near Irving st.....	"	"	7	"
Pond st	At Grovenor road	"	"	3	"
South st.....	Opposite Childs st.....	"	"	3	"
" "	" Keyes st	"	"	6	"
Washington st....	At Arborway.....	"	"	6	"
" "	" Boylston st.....	"	"	12	"
" "	" Union ave.....	"	"	8	"
Adams st.....	Near Minot st.....	Dor.	"	36	"
" "	Opposite Wrentham st.....	"	"	3	"
Barry st.....	Between Hamilton and Richfield sts.....	"	"	167	6-in.
	<i>Carried forward</i>			12,986	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			12,986	
Centre st	At Washington st.....	Dor.	12-in.	7	12-in.
Dorchester ave.....	Opposite No. 1021	"	"	5	"
" "	50 feet south of Mayfield st.....	"	"	3	"
East Cottage st	At Chase st.....	"	"	4	"
Geneva ave	South line of Holiday st.....	"	"	3	"
" "	90 feet from " "	"	"	3	"
Glenway st	At Harlem st.....	"	"	4	"
Lauriat ave.....	550 feet east of Blue Hill ave.....	"	"	3	"
" "	195 " " " " " "	"	"	3	"
Lawrence ave	At No. 37	"	"	4	"
" "	" Lawrence pl	"	"	4	"
Magnolia st	" Quincy st	"	"	12	"
Morton st	" south line of West Selden st ...	"	"	4	"
Norfolk st	" Harlem st.....	"	"	3	"
Quincy st	Between Columbia road and Mag- nolia st.....	"	"	850	8-in.
Westville st.....	100 feet west of Ditson st.....	"	"	6	12-in.
A st	At Blinford st.....	So. B.	"	13	"
Boston st.....	At Blake pl.....	"	"	3	"
Boston st. (west side)	Between Ellery and Rawson sts. .	"	"	623	"
Boston st. (west side)	At Washburn st.....	"	"	3	"
Boston st. (west side)	Opposite " "	"	"	6	"
Summer st.....	At E st	"	"	3	"
Brooks st	At Crosby st	Bri.	"	3	"
Cambridge st	195 feet west of Eleanor st.....	"	"	3	"
" " . . .	At Elko st.....	"	"	3	"
" "	100 ft. east of Elko st.....	"	"	3	12-in.
" "	Opposite Dustin st.....	"	"	3	"
" "	At Rodney st	"	"	3	"
" "	80 ft. east of Webster st.....	"	"	3	"
Chestnut Hill ave..	At City Yard.....	"	"	3	"
Everett st.....	" Aldie st.....	"	"	4	"
" "	" Pearl st.....	"	"	4	"
Faneuil st.....	" Bothwell road	"	"	3	"
	<i>Carried forward</i>			14,590	

Statement of Main Pipe Relaid. — Continued.

LOCATION.		District.	Size.	Length.	Former size.
	<i>Brought forward</i>			14,590	
Faneuil st.....	At Donnybrook road.....	Bri.	12-in.	3	12-in.
“ “	Between Hobart and Parsons sts..	“	“	3	“
“ “	At Newcastle road.....	“	“	3	“
Harvard ave.....	“ Holmes ave.....	“	“	4	“
Kenrick st.....	Opposite Ice House	“	“	3	“
Market st	At Western ave.....	“	“	37	“
North Beacon st...	“ Parsons st.....	“	“	15	“
Brighton st.....	“ Cambridge st.....	Chsn.	“	115	6-in.
“ “	Between Perkins and Cambridge sts.....	“	“	478	“
Cambridge st	Between Rutherford ave. and Carter st.....	“	“	1,147	8-in.
Crafts st.....	At Cambridge st	“	“	4	6-in.
Haverhill st	“ Main st.....	“	“	5	“
“ “	Between Main and Perkins sts....	“	“	527	“
“ “	At Perkins st.....	“	“	185	“
Kingston st.....	From Cambridge st.....	“	“	32	“
Perkins st.....	Between Brighton st. and B. & M. R.R.....	“	“	127	“
“ “	Between Cambridge and Haverhill sts	“	“	200	6 and 8-in.
Union st	Between Front and Washington sts	“	“	190	8-in.
Water st.....	At north line of entrance to Pier No. 4.....	“	“	3	12-in.
“ “	At South line of entrance to Pier No. 4.....	“	“	3	“
Bennington st....	521 ft. west of Leyden st.....	E. B.	“	7	“
Breed st.....	At Ashley st.....	“	“	7	“
Chelsea st.....	North of Putnam st.....	“	“	4	“
Frankfort st.....	Near Maverick st.....	“	“	7	“
Lewis st.....	Between Sumner and Marginal sts.	“	“	483	“
“ “	At Sumner st.....	“	“	15	“
Maverick st.....	East of Orleans st.....	“	“	3	“
“ sq.....	At Sumner st.....	“	“	27	“
Meridian st.....	“ London st.....	“	“	11	“
Porter st.....	“ “ “	“	“	3	“
Shelby st.....	At Saratoga st.....	“	“	3	“
	<i>Carried forward</i>			18,244	

Statement of Main Pipe Relaid.—Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			18,244	
Sumner st.....	At Lewis st.....	E. B.	12-in.	3	12-in.
“ “.....	“ “ “.....	“	“	50	“
“ “.....	“ London st.....	“	“	8	“
“ “.....	“ “ “.....	“	“	3	“
	Total 12-inch.....			18,308	
Anderson st.....	Between Pinckney and Revere sts.	C. P.	10-in.	264	6-in.
East Brookline st..	At Washington st.....	“	“	28	“
East Concord st...	“ “ “.....	“	“	20	“
Hereford st.....	Between Beacon and Boylston sts.	“	“	1,206	“
Kirkland st.....	At Corning st.....	“	“	113	“
Purchase st. (L. S.)	Across Oliver st.....	“	“	54	“
Utica st.....	Between Kneeland and Harvard sts.....	“	“	547	“
West Brookline st.	At Washington st.....	“	“	19	“
West Concord st...	“ “ “.....	“	“	18	“
West Springfield st.....	“ “ “.....	“	“	18	“
Sterling st.....	“ Warwick st.....	Rox.	“	15	“
“ “.....	Across Westminster st.....	“	“	46	“
Warwick st.....	At Sterling st.....	“	“	48	“
Colberg ave.....	Between Rexhame and Arden sts.	W. R.	“	5	10-in.
Mt. Hope st.....	Between Folsom st. and Bradstreet ave.....	“	“	25	8-in.
Spring st.....	At Gould st.....	“	“	3	10-in.
Taylor st.....	“ N. Y., N. H. & H. Railroad....	Dor.	“	131	6-in.
Newcastle road....	Between Faneuil st. and Hobson road.....	Bri.	“	5	10-in.
	Total 10-inch.....			2,565	
Barrett st.....	Between North and Fulton sts....	C. P.	8-in.	309	4-in.
Battery st.....	At Commercial st.....	“	“	45	6 and 8-in.
“ “.....	Between Commercial st. and North Ferry.....	“	“	333	4-in.
Boylston st. (H. S.)	At Bumstead ct.....	“	“	25	8-in.
“ “ (H. S.)	Between Tremont st. and Boylston pl.....	“	“	3	“
“ “ (H. S.)	Between Tremont and Washington sts.....	“	“	96	6-in.
	<i>Carried forward</i>			811	

Statement of Main Pipe Relaid. — Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>.....	.....	.....	811	
Central st.	At Atlantic ave.	C. P.	8-in.	3	8-in.
Clark st.	At Commercial st.	"	"	5	"
" "	Between North and Commercial sts.	"	"	172	6-in.
Commercial Wharf (E. and No. side)	East of Atlantic ave.	"	"	5	6 and 8-in.
Commercial Wharf (north side)	At Atlantic ave.	"	"	46	4-in.
Commercial Wharf (south side)	" " "	"	"	37	4-in.
Commercial Wharf (north side)	Between Commercial st. and Atlantic ave.	"	"	223	4-in.
Commercial st.	At Clark st.	"	"	8	8-in.
Dedham st.	" Newland st.	"	"	6	"
E. Springfield st. ...	" Washington st.	"	"	21	6-in.
Ferry st.	" Fulton st.	"	"	21	"
" "	Between North and Fulton sts.	"	"	295	4-in.
Fort Hill Sq. (L.S.)	Across Oliver st.	"	"	18	6-in.
Fulton st.	Between Clinton and Lewis sts. ...	"	"	1,234	"
Henchman st.	At Commercial st.	"	"	6	8-in.
India sq.	" Atlantic ave.	"	"	13	6-in.
India st.	" " "	"	"	25	4-in.
Lincoln st.	" Kneeland st.	"	"	27	6-in.
Massachusetts ave. (south side)	" east side Washington st.	"	"	7	"
Massachusetts ave. (south side)	" west " " "	"	"	9	"
Mercantile st.	" Clinton st.	"	"	5	8-in.
Myrtle st.	" Anderson st.	"	"	9	"
Porter st.	" Pleasant st.	"	"	73	4 and 6-in.
Rutland st.	" Washington st.	"	"	28	6-in.
Union Wharf.	" Commercial st.	"	"	12	"
Union Park st.	Between Shawmut ave. and Tremont st.	"	"	685	"
Calmut st.	At Darling st.	Rox.	"	3	8-in.
Chestnut ave.	" Wyman st.	"	"	15	"
Day st.	Between Hutchins ave. and Arcola st.	"	"	12	"
" "	Opposite No. 88.	"	"	3	"
	<i>Carried forward</i>.....	.....	.....	3,837	

Statement of Main Pipe Relaid. — Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			3,837	
Day st.....	South line of Arcola st.....	Rox.	8-in.	3	8-in.
Elmwood st.....	Near Linden Park st. (over Stony brook)	"	"	23	"
Granby st.....	At Bay State road.....	"	"	3	"
Harrishof st.....	Between Harold and Humboldt aves.....	"	"	8	"
Hillside st.	At Darling st.....	"	"	5	"
Maywood st.....	" Blue Hill ave.	"	"	32	6-in.
Mozart st.....	" Roys st.....	"	"	3	8-in.
Vila st.	" Kenwood road.....	"	"	7	"
Wyman st.....	" Chestnut ave.....	"	"	11	"
Anawan ave.	At Irving st.....	W. R.	"	12	"
Boylston ave.....	Over Stony brook.....	"	"	69	"
Chestnut ave.....	At Boylston st.....	"	"	12	"
" "	" Paul Gore st.....	"	"	5	"
Lawn st.....	" Mt. Hope st.....	"	"	7	"
Morton st.....	" Union terrace.....	"	"	9	"
" "	" Washington st.....	"	"	6	"
Mt. Hope st.....	" Lawn st.....	"	"	3	"
Perkins st.....	" Day st.....	"	"	6	"
Temple st.....	Opposite No. 124.....	"	"	3	"
" "	" " 194.....	"	"	3	"
" "	" " 233.....	"	"	5	"
Tower st.....	Hyde Park ave. and Forest Hills Cemetery.....	"	"	8	"
Union terrace.....	From Morton st	"	"	5	"
Adams st	Opp. No. 690, near Beaumont st...	Dor.	"	5	"
Ballou ave.	" " 60.	"	"	3	"
" "	Near Mascot st.....	"	"	5	"
Elmhurst st.....	Between Norfolk st. and Southern ave.	"	"	3	"
Florida st.....	Opposite Edwin st.....	"	"	4	"
Fowler st.....	Between Glenway and McLellan sts.....	"	"	6	6-in.
Homes ave.....	Opposite No. 10.....	"	"	12	8-in.
Kenwood st.....	At Washington st..	"	"	8	"
Magdala st.....	Between Van Winkle and Codman sts.....	"	"	12	"
	<i>Carried forward</i>			4,143	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			4,143	
Magdala st.....	Between Van Winkle and Codman sts.....	Dor.	8-in.	12	8-in.
Marsh st.....	From Granite ave.....	"	"	5	"
Melville ave.....	At Silloway st.....	"	"	8	"
" "	" Washington st.....	"	"	8	"
Robin Hood st.....	" Folsom st.....	"	"	3	"
Seaborn st.....	Between Kenwood st. and Moultrie ave.....	"	"	5	6-in.
Speedwell st.....	Near Norton st.....	"	"	5	8-in.
Templeton st.....	At Dawson st.....	"	"	3	"
" "	Between Dawson and Florida sts.	"	"	5	"
" "	At Florida st.....	"	"	3	"
" "	Near Florida st.....	"	"	8	"
" "	200 feet west of Florida st.....	"	"	3	"
Wainwright st.	At Brent st.....	"	"	19	"
" "	Between Centre st. and Welles ave.	"	"	186	6-in.
West Park st.....	130 feet west of Washington st....	"	"	3	8-in.
Ellery st.....	Between Boston and Dexter sts...	So. B.	"	762	6-in.
Newman st.....	At Champney st.....	"	"	3	8-in.
Rawson st.....	Between Dorchester ave. and Boston st.....	"	"	222	"
Washburn st.....	Between Dorchester ave. and Boston st.....	"	"	154	"
Chiswick road.....	At Commonwealth ave.(south side)	Bri.	"	12	"
Commonwealth av.	" Idlewild st.....	"	"	3	"
Corey road.....	" Cummings road	"	"	3	"
Crosby st.....	Between Brooks st. and Raneleigh road.....	"	"	275	6-in.
Strathmore road...	Across Commonwealth ave.....	"	"	46	8 and 12-in.
" " ...	Between Commonwealth ave. and Chiswick road	"	"	10	8-in.
Tremont st.....	About 380 ft. from Washington st.,	"	"	26	6-in.
Western ave.....	Between Everett and Market sts...	"	"	28	12-in.
Austin st.....	Opposite No. 111.....	Chsn.		3	8-in.
Cambridge st.....	At Brighton st.....	"	"	64	"
Front st.....	7 ft. east of Lowry Hyd't at junction of Union st.....	"	"	4	"
Ashley ave.....	Opposite No. 25.....	E. B.	"	7	"
	<i>Carried forward</i>			6,041	

Statement of Main Pipe Relaid.—Continued.

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			6,041	
Decatur st.....	At London st.....	E. B.	8-in.	9	8-in.
London st.....	Between Sumner and Bennington sts.	"	"	2,726	6-in.
Deer Island	At Shirley Gut.....	B. H.	"	14	8-in.
Point Shirley	" " "	Winthr'p	"	72	"
	Total 8-inch.....			8,862	
Acorn st.....	Between West Cedar and Willow sts.	C. P.	6-in.	258	4-in.
Blackstone st.	At Hanover st.....	"	"	2	6-in.
Blagden st.	" Exeter st.....	"	"	4	"
Boylston st.....	" Hereford st.	"	"	6	"
Broadway	Between Washington st. and Harrison ave.....	"	"	8	"
Bumstead ct.	At Boylston st.	"	"	6	"
Canton st. (East and West).....	Across Washington st.	"	"	6	"
Charter st.....	At Commercial st.	"	"	4	"
Chestnut st.....	Between Spruce and Willow sts...	"	"	10	"
Clarendon st.....	At St. James ave.....	"	"	8	"
Commercial st.	" Clark st.	"	"	5	"
Commercial Wharf (south side).....	Between Commercial st. and Atlantic ave.	"	"	272	4-in.
Commonwealth av.	Opposite No. 122.....	"	"	6	6-in.
Corning st.....	Between Wheeler and Porter sts..	"	"	5	"
Eastern ave. (north side).....	At Commercial st.	"	"	40	"
Eastern ave. (south side).....	" " "	"	"	3	"
Eastern ave.....	Opposite Cold Storage Building...	"	"	2	"
Fiske's wharf.....	At Commercial st.	"	"	24	4-in.
Fulton st.	" Barrett st.....	"	"	6	6-in.
" pl.....	" Fulton st.....	"	"	22	4 and 6-in.
Greenough lane ...	" Commercial st.....	"	"	7	6-in.
Harrison ave.	" Asylum st.	"	"	6	"
Harvard st.....	" Utica st.....	"	"	10	"
Head place	" Boylston st.	"	"	26	4 and 6 in.
" "	" " "	"	"	18	4-in.
	<i>Carried forward</i>			764	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			764	
High st. (L.S.) ...	At Summer st.....	C. P.	6-in.	12	6-in.
“ “	Between Summer and Federal st..	“	“	6	“
Huntington ave....	At Blagden st.	“	“	6	“
James st.	“ Newton st.	“	“	6	“
John st.	Between North and Fulton sts. ...	“	“	305	4-in.
Lowell pl.	Off Tamworth st.....	“	“	13	“
Marlboro' st.....	At Hereford st.	“	“	3	6-in.
“ “	“ “ “	“	“	6	“
Newland st.....	“ Dedham st.....	“	“	29	6 and 4-in.
Northampton st....	“ N.Y., N.H. & H.R.R.....	“	“	9	4-in.
North Anderson st.	“ Parkman st.....	“	“	12	6-in.
Northfield st.	Near Camden st.....	“	“	11	“
North Grove st.	Between Cambridge and Parkman sts.....	“	“	6	“
Parkman st.....	At North Anderson st.....	“	“	11	“
Pinckney st.	Opposite Louisburg sq.....	“	“	4	“
Quincy row.....	“ Clinton st.	“	“	5	“
“ “	“ South Market st.	“	“	3	“
Revere st.....	Between Anderson and Garden st.	“	“	8	“
Rowe's wharf.....	At Atlantic ave.	“	“	5	“
Salutation st.	“ Commercial st.	“	“	21	4-in.
Sargent's wharf....	“ “ “	“	“	6	6-in.
Stillman st.	Between Charlestown st. and Stillman pl.....	“	“	34	“
“ pl.....	Off Stillman st.	“	“	5	4-in.
St. James ave.	At Clarendon st....	“	“	3	6-in.
Tamworth st.....	Between Boylston and LaGrange st.	“	“	159	4-in.
Union Park st.	Between Shawmut ave. and Tremont st.....	“	“	443	6-in.
Utica st.	Between Kneeland and Harvard sts.	“	“	21	“
Village st.	At Dover st.	“	“	6	“
Washington st....	Nearly opposite Flagg st.....	“	“	10	“
Wheeler st.	At Corning st.....	“	“	5	“
Willow st.....	Between Chestnut and Acorn sts..	“	“	137	4-in.
Akron st.....	Between Alpine and Circuit sts...	Rox.	“	3	6-in.
	<i>Carried forward</i>			2,077	

Statement of Main Pipe Relaid. — *Continued*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			2,077	
Alleghany st.....	Between Parker and Pontiac sts..	Rox.	6-in.	16	6-in.
“ “	Between Parker and Terrace sts..	“	“	5	“
Batavia st.....	At St. Stephen st.....	“	“	8	“
Bickford ave.....	“ Heath st.....	“	“	4	“
“ “	“ Minden st.....	“	“	6	“
Cardington st.....	“ Fenner st.....	“	“	3	“
Cedar st.....	“ Centre st.....	“	“	12	“
Centre st.....	“ Cedar st.....	“	“	12	“
“ “	“ Gardner st.	“	“	8	“
“ “	“ New Heath st.....	“	“	3	“
Creighton st.....	From Centre st.....	“	“	14	“
Dale st.....	At Warren st.....	“	“	4	“
Day st.....	“ Grotto Glen.....	“	“	3	“
Dunford st.....	“ Fenner st.....	“	“	3	“
Echo st.....	“ Centre st.....	“	“	5	“
Field st.....	Opposite No. 21	“	“	8	“
Fullerton st.....	Between Fairhaven st. and Brook- line ave.....	“	“	3	“
Gardner st.....	At Centre st.....	“	“	6	“
“ “	“ Roxbury st.....	“	“	13	“
Gayland ave.....	Between West Cottage and Jud- son st.....	“	“	3	“
Greenwich st.....	Near Westminster st. (opposite No. 21).....	“	“	3	“
Grotto Glen.....	At Day st.....	“	“	8	“
Hammond st.....	“ Warwick st.....	“	“	3	“
“ “	“ Westminster st.....	“	“	7	“
Heath st.....	“ Bickford ave.	“	“	8	“
Hutchings st.....	“ Graham st.....	“	“	3	“
Kenwood road. ...	At unnamed st., first right from Huntington ave.....	“	“	3	“
Kempton st.....	Between Huntington ave. and Kenwood road.....	“	“	47	“
King st.....	Near Crossin pl.....	“	“	3	“
Minden st.....	At Posen st.....	“	“	3	“
“ “	“ Heath pl.	“	“	2	“
Mindora st.....	Opposite No. 24	“	“	6	“
	<i>Carried forward</i>			2,312	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			2,312	
Mt. Pleasant ave...	Opposite No. 60	Rox.	6-in.	6	6-in.
New Heath st. (No. side)	Opposite Centre st.....	"	"	10	"
Parker st.....	At Alleghany st.....	"	"	8	"
Park View st.....	Between Seaver and Hutchings sts.	"	"	8	"
Sawyer st.....	Opposite Parnell st.....	"	"	3	"
Sterling st.....	Across Westminster st.....	"	"	12	"
Swett st.....	Between Albany st. and Massachusetts ave	"	"	22	"
Wait st.....	Between Huntington ave. and Pequot st....	"	"	7	"
" "	At Pequot st.....	"	"	3	"
Warwick st.....	" Cabot pl.....	"	"	3	"
" "	" Hammond st.....	"	"	3	"
" "	Opposite Greenwich st.....	"	"	11	"
" "	At Sterling st	"	"	12	"
" "	" Weston st.....	"	"	12	"
" "	" " "	"	"	3	"
" "	" Windsor st.....	"	"	15	"
Waumbeck st....	Between Harold st and Humboldt ave.	"	"	8	"
Westminster st....	At Hammond st.....	"	"	3	"
" "	" Windsor st.....	"	"	9	"
" "	Between Williams and Sterling sts.....	"	"	16	"
Windsor st.....	At Warwick st.....	"	"	6	"
Woodcliff st.....	" Blue Hill ave.....	"	"	6	"
Wyman st.....	" Chestnut ave.....	"	"	13	"
Brookfield st.....	" South Fairview st.....	W. R.	"	4	"
Burnett st.....	" the bend in the street.....	"	"	7	"
Carolina ave.....	Between Lee and South sts.....	"	"	9	"
Cohasset st.....	At Corinth st.....	"	"	8	"
Corinth st.....	" Cohasset st.....	"	"	15	"
Grovenor road....	From Centre st.....	"	"	5	"
Larch pl.....	Off Hyde Park ave.....	"	"	237	"
Myrtle st.....	At Park pl.....	"	"	3	"
Oakview ter.....	Opposite No. 47	"	"	9	"
	<i>Carried forward</i>			2,808	

Statement of Main Pipe Relaid. — *Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			2,808	
Orange st.	Between Cornell and Brooks st....	W. R.	6-in.	3	6-in.
Paul Gore st.	At Chestnut ave.....	"	"	15	"
School st.	Between Copley and Amory sts. .	"	"	3	"
Union ave.....	Opposite No. 20	"	"	6	"
Folsom st.	From Robin Hood st.....	Dor.	"	15	"
Harlem st. (H.S.)..	Between Glenway and Greenwood sts.....	"	"	4	"
Willis st.....	At Chase st.....	"	"	10	"
Wrentham st.....	Near Bruce st.	"	"	10	"
Bowdoin st	At Draper ct.....	"	"	3	"
Burt st.	175 feet west of Ashmont st.....	"	"	7	"
Buttonwood st.....	At Buttonwood ct.....	"	"	6	"
Church pl.....	At Washington st.	"	"	8	"
Coleman st.....	Between Draper ct. and Quincy st.....	"	"	4	"
Draper ct.	Between Bowdoin and Clarkson sts.....	"	"	4	"
" st.	At Homes ave.....	"	"	4	"
Ditson st.....	130 feet north of Branch ave.....	"	"	6	"
Drayton st.	At Quincy st.	"	"	3	"
Gibson st.	Junction of Adams st.....	"	"	10	"
Johnson terrace ..	Off Lauriat ave.	"	"	12	"
Mather st.	At Silloway st.	"	"	3	"
Moultrie ave.....	Junction of Seaborn st.....	"	"	15	"
Rosedale st.....	245 feet from Washington st.....	"	"	3	"
Selden st.....	Between Morton and Nelson sts...	"	"	38	"
Shafter st.....	" Faxon and Waterlow sts.	"	"	6	"
Sumner st.....	At Conrad st.....	"	"	3	"
Tucker st.	" Lauriat ave.....	"	"	7	"
Van Winkle st....	Opposite Magdala st.	"	"	15	"
Bolton st.....	Between B and Dorchester sts....	So. B.	"	2,849	4 and 6-in.
Broadway (N. E. R.R. bridge)	" A and B sts.....	"	"	34	6-in.
Dexter st.....	At Ellery st.	"	"	13	"
Fourth st.....	" C st.....	"	"	3	"
Gates st.....	Between Telegraph and Dorches- ter sts.	"	"	3	"
	<i>Carried forward</i>			5,933	

Statement of Main Pipe Relaid.—*Continued.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			5,933	
Kemp st.....	Between Dorchester ave. and Albert sts.	So. B.	6-in.	109	6-in.
“ “	Between Dorchester ave. and Railroad.....	“	“	190	“
M st.	At Columbia road.....	“	“	13	“
Telegraph st.	Between Gates and Old Harbor sts.....	“	“	3	“
Tuckerman st.....	Off Dorchester st.	“	“	3	4-in.
Tudor st.....	Between B and D sts.	“	“	1,097	“
Baldwin pl.....	At Washington st.....	Bri.	“	7	6-in.
Braemore road	At Commonweath ave. (south side)	“	“	6	“
Donnybrook road .	Between Faneuil and Hobson road.....	“	“	6	“
“ “ “	At first Post Hydrant from Faneuil st.....	“	“	3	“
Hobart st.	At Raneleigh road.....	“	“	3	“
Spring st.....	Between George and Etna sts....	“	“	3	“
Webster st.....	At High Rock Way.....	“	“	3	“
Charles River ave..	Near Water st.....	Chsn.	“	4	“
Clinton pl.....	At Cambridge st.	“	“	4	“
“ “	Opposite No. 8.....	“	“	4	“
Crafts st.....	At Cambridge st.	“	“	14	“
Haverhill st.....	“ Main st.	“	“	4	“
Kingston st.....	From Cambridge st.	“	“	189	“
Sever st.....	At Haverhill st.....	“	“	4	“
Soley st.	Opposite No. 37.....	“	“	4	“
Spice st.	From Cambridge st.	“	“	219	“
Union st.	At Washington st.....	“	“	4	“
Bennington st.	East of Neptune st.....	E. B.	“	3	“
“ “	West “ “ “	“	“	3	“
Brigham st.....	Between Ruth and Webster sts....	“	“	98	4-in.
Paris st.	Cor. Brooks st.....	“	“	4	6-in.
Princeton st.	Opposite No. 26	“	“	4	“
“ “	“ “ 48	“	“	4	“
“ “	West of Shelby st.	“	“	4	“
Ruth st.....	Between Brigham and Webster sts.	“	“	265	4-in.
Saratoga st.....	East of Prescott st.	“	“	3	6-in.
	<i>Carried forward</i>			8,217	

Statement of Main Pipe Relaid. — *Concluded.*

LOCATION.		District.	Size.	Length.	Former Size.
	<i>Brought forward</i>			8,217	
Shelby st.....	At Saratoga st.....	E. B.	6-in.	3	6-in.
“ “	“ “ “	“	“	4	“
Trenton st.	“ Brooks st.	“	“	4	“
“ “	Opposite No. 24	“	“	4	“
“ “	“ “ 74	“	“	4	“
Webster st.	At Lewis st.....	“	“	3	“
“ “	Across Lewis st.....	“	“	16	“
Moon Island.....	Boston Harbor.. ..	B. H.	“	35	“
	Total 6-inch			8,290	
Head pl.....	Rear Tremont Theatre.....	C. P.	4-in.	5	4-in.
Newland st	Opposite No. 13	“	“	5	“
Public Alley No. 444	Off Hereford st	“	“	3	“
Salt lane.....	At Creek sq.....	“	“	2	“
Parker pl	“ Terrace st.	Rox.	“	8	“
Tuckerman st.....	Off Dorchester st.....	So. B.	“	9	“
	Total 4-inch			32	

Statement of Private Mains Laid and Abandoned during the Year ending January 31, 1901.

For Whom.	Where.	Size.	Length.
	L A I D.		
Boston Belting Co.....	Factory yard, cor. Tremont and Linden Park sts., Roxbury	3-in.	22 ft.
“ “ “	Factory yard, cor. Tremont and Linden Park sts., Roxbury.....	4-in.	82 ft.
“ “ “	Factory yard, cor. Tremont and Linden Park sts., Roxbury.....	6-in.	315 ft.
Penal Institutions.....	Deer Island, between old line of pipe near sign and new hospital, Ward C,	6-in.	15 ft.
“ “	Deer Island, between old line of pipe near sign and new hospital, Ward C,	8-in.	257 ft.
	A B A N D O N E D.		
“ “	Deer Island, between old line of pipe near sign and new hospital, Ward C,	6-in.	5 ft.
“ “	Deer Island, between old line of pipe near sign and new hospital, Ward C,	8-in.	3 ft.

Statement of Main Pipe Raised, Lowered, and Moved Laterally.

LOCATION.		District.	Size.	Length.	Raised, Lowered, or Moved.
Tremont st.....	Between Boylston and La Grange sts.	C. P.	30-in.	192	Raised and moved.
“	Between Warrenton and Pleasant sts.....	“	“	50	Moved.
Boston st. (west side)	Between Andrew sq. and Washburn st.	So. B.	20-in.	210	Raised.
Boston st. (east side)	Between Andrew sq. and Rawson st...	“	16-in.	150	“
Boylston st. (low service)	Between Tremont st. and Boylston pl.....	C. P.	12-in.	50	“
Dorchester ave.	At N. Y., N. H. & H. R.R.	S. B.	“	70	Lowered.
Frankfort st.	Near Maverick st.....	E. B.	“	50	Raised.
West Selden st....	Between Morton and Crossman sts...	Dor.	“	1,520	Lowered.
Woodlawn ave....	At West Selden st.....	“	“	30	“
Washburn st.....	Between Dorchester ave. and Boston st.	S. B.	8-in.	75	Raised.
Rawson st.....	Between Dorchester ave. and Boston st.	“	“	125	“
Lauriat st.....	At Callender st.....	Dor.	6-in.	70	Lowered.
Callender st.....	Between Tucker and Lauriat sts.....	“	“	100	“
Wordsworth st.	“ Saratoga and Pond sts.....	E. B.	“	344	Raised.
Spice st.	From Cambridge st.	Chsn.	“	60	“
Kingston st.	“ “	“	“	75	“
Total number of feet.....				3,171	

Statement of Location, Size, and Number of Feet of Main Pipe Abandoned during the Year ending January 31, 1901.

LOCATION.		District.	Size.	Length.
Clinton road.....	At Dean road.....	B'kline	48-in.	12
“ “	“ “ “	“	“	19
“ “	“ “ “	“	“	7
“ “	“ Sumner road	“	“	5
“ “	“ “ “	“	“	5
Total 48-inch.....				48

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
Tremont st.....	At Boylston st.....	C. P.	36-in.	9
“ “	Between Boylston and La Grange sts....	“	30-in.	9
“ “	At Castle sq. and over railroad bridge....	“	“	230
“ “	Opposite Hollis st.....	“	“	12
Cambridge st.....	At Sever st.....	Chsn.	“	19
“ “	Between Sever and Perkin sts... ..	“	“	407
Chelsea bridge	South of north draw.....	“	“	75
Perkins st.....	Between Cambridge and Brighton sts....	“	“	440
Chestnut Hill ave.,	Over Boston & Albany Railroad	B'kline	“	94
	Total 30-inch.....			<u>1,286</u>
Boylston st.....	At Berkeley st.....	C. P.	20-in.	20
Huntington ave...	“ Exeter st.....	“	“	4
Boston st. (west side)	Between Andrews sq. and Washburn st...	So. B.	“	838
Boston st. (west side)	At Washburn st.....	“	“	6
	Total 20-inch.....			<u>868</u>
Atlantic ave.....	Opposite No. 257.....	C. P.	16-in.	16
“ “	“ No. 309.....	“	“	16
“ “	At Pearl st.....	“	“	20
Charles st.....	“ Beacon st.....	“	“	4
Commercial st....	“ South Market st	“	“	3
Hollis st.....	“ Washington st.....	“	“	6
Tremont st.....	“ West st.....	“	“	18
Huntington ave...	“ Parker st.....	Rox.	“	9
Seaver st.....	“ Park View st.....	“	“	3
Terrace st.....	“ Alleghany st.....	“	“	4
“ “	“ Tremont st.....	“	“	14
Centre st.....	South line of Lochstead ave....	W. R.	“	3
Blue Hill ave.....	At Harlem st.....	Dor.	“	4
“ “ “	75 feet south of Morton st.....	“	“	3
“ “ “	35 feet north of Woolson st.....	“	“	3
Talbot ave.....	At Washington st.....	“	“	3
“ “	“ “ “	“	“	18
Boston st. (east side)	Between Andrews sq. and Washburn st...	S. B.	“	925
	<i>Carried forward</i>			<u>1,072</u>

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			1,072
Boston st. (east side)	At Washburn st.....	S. B.	16-in.	3
Chestnut Hill ave.	" Commonwealth ave.....	Bri.	"	3
Alford st.....	" Malden bridge, south of Syphon.....	Chsn.	"	400
Chelsea bridge....	North draw.....	"	"	75
Malden bridge. ..	From south side of Syphon at draw to sea wall	"	"	300
East Boston reser-voir	Brooks-street side.....	E. B.	"	9
Maverick st.....	At London st.....	"	"	5
	Total 16-inch.....			<u>1,867</u>
Albany st.....	At Kneeland st.....	C. P.	12-in.	17
" "	" Massachusetts ave.....	"	"	10
Atlantic av. (H.S.)	" Oliver st.....	"	"	3
" " "	Between Oliver and Commercial sts.....	"	"	3,364
" " "	At Pearl st.....	"	"	5
" " "	" South Market st.....	"	"	6
Beacon st.....	" Beaver st.....	"	"	3
" "	Between Clarendon and Berkeley sts.....	"	"	12
" "	At Brimmer st.....	"	"	5
" "	187 feet west of Clarendon st.....	"	"	3
" "	At Hereford st.....	"	"	6
" "	Near River st.....	"	"	8
" "	Opposite No. 114.....	"	"	3
" "	" " 152	"	"	5
Blackstone st.....	At Fulton st.....	"	"	5
Boylston st.....	" Head pl.....	"	"	4
" " (H. S.)	50 feet west of Tremont st.....	"	"	13
Broad st.....	At Atlantic ave.....	"	"	12
Clinton st	" Commercial st.....	"	"	4
Commercial st....	" Battery st.....	"	"	8
" "	" Clark st.....	"	"	13
" "	" " "	"	"	8
" "	Near Charter st.....	"	"	8
" "	At Clinton.....	"	"	77
" "	Between Prince st. and Atlantic ave.....	"	"	3,079
	<i>Carried forward</i>			<u>6,681</u>

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			6,681
Commercial st.....	Between Richmond st. and Commercial wharf.....	C. P.	12-in.	14
Congress st.....	At Franklin st.....	"	"	5
Federal st.....	" Summer st.....	"	"	8
Fleet st.....	" Commercial st.....	"	"	25
Hanover st	" " "	"	"	30
Harrison ave.....	" Massachusetts ave.....	"	"	7
" "	" " "	"	"	15
" "	" Oak st.....	"	"	13
High st. (H. S.)....	" East line of Oliver st.....	"	"	4
Joy st.....	" Pinckney st.....	"	"	6
Merrimac st.....	" Causeway st.....	"	"	4
Mt. Vernon st.....	" Louisburg sq.....	"	"	3
Newbury st.....	" Hereford st.....	"	"	3
Newton st.....	" James st.....	"	"	6
Newton st. (East and West).....	Across Washington st.....	"	"	16
Northampton st...	" " "	"	"	20
North st.....	At Barrett st.....	"	"	6
" "	" Ferry st.....	"	"	7
Oliver st. (L. S.)...	Between Atlantic ave. and Franklin st....	"	"	3
Pleasant st.....	At Kirkland st.....	"	"	3
" "	" Porter st.....	"	"	90
School st.....	" Washington st.....	"	"	4
Spruce st.....	" Beacon st.....	"	"	6
South Market st...	" Atlantic ave.....	"	"	22
Summer st.....	Between Dewey sq. and South st.....	"	"	128
" "	" Federal and Lincoln sts.....	"	"	509
Tremont st.....	At Union Park st.....	"	"	3
" "	Opposite Van Rensselaer pl.....	"	"	4
Washington st. (east side).....	At north side Massachusetts ave.....	"	"	5
Washington st. (east side).....	" Canton st.....	"	"	32
Water st.....	" Devonshire st.....	"	"	4
Blue Hill ave.....	" Clifford st.....	Rox.	"	3
" " "	" Julian st.....	"	"	10
	<i>Carried forward</i>			7,699

Statement of Main Pipe Abandoned.— *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>.....	.....	.....	7,699
Brookline ave.....	Near Peabody st.....	Rox.	12-in.	3
Bucknam st.....	Between Lawn and Wensley sts.....	"	"	5
Calumet st.....	At Parker Hill ave.....	"	"	3
Columbus ave.....	" Roxbury st.....	"	"	12
" "	" Tremont st.....	"	"	8
Crawford st.....	" Hollander st.....	"	"	3
Creighton st.....	From Centre st.....	"	"	4
" "	At Day st.....	"	"	6
" "	" Sunnyside terrace.....	"	"	3
Day st.....	" Creighton st.....	"	"	4
" "	North line of Creighton st.....	"	"	3
" "	At Hutchins ave.....	"	"	12
" "	Between Minden and Round Hill sts.....	"	"	97
Dewey st.....	At Blue Hill ave.....	"	"	8
Edgewood st.....	" " " "	"	"	3
Fort ave.....	Near Highland park	"	"	4
Heath st.....	At So. Huntington ave.....	"	"	10
Huntington ave...	" Kempton st.....	"	"	6
Lawn st.....	Between Hayden and Bucknam sts.....	"	"	3
New Heath st. (so. side).....	At Centre st.....	"	"	3
Northampton st...	West line of Albany st.....	"	"	3
Parker st.....	Between Ruggles and Ward sts.....	"	"	6
Parker Hill ave...	Near Calumet st.....	"	"	3
" " "	At Fisher ave.....	"	"	3
Roxbury st.....	" Gardner st.....	"	"	22
S. Huntington ave.	" Heath st.....	"	"	8
Terrace st.....	At Tremont st.....	"	"	43
Tremont st.....	Between Columbus ave. and Parker st....	"	"	6
Warren st.....	" Clifford st.....	"	"	13
Beech st.....	Between Belgrade and New Park ave.....	W. R.	"	8
Centre st.....	At Grovenor road.....	"	"	3
Gardner st.....	1st Post Hydrant from Baker st.....	"	"	6
" "	2d " " " " "	"	"	8
" "	3d " " " " "	"	"	5
	<i>Carried forward</i>.....	.....	.....	8,036

Statement of Main Pipe Abandoned.—Continued.

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			8,036
Hyde Park ave....	At Larch pl.....	W. R.	12-in.	6
Keyes st.....	Across South st.....	"	"	10
LaGrange st.....	At Pleasant st.....	"	"	10
Pelton st.....	Near Irving st.....	"	"	7
Pond st.....	At Grovenor road.....	"	"	3
South st.....	" Childs st.....	"	"	3
" "	Opposite Keyes st.....	"	"	6
Washington st....	At Arborway.....	"	"	5
" "	" Boylston st.....	"	"	12
" "	" Union ave.....	"	"	8
Adams st.....	Near Minot st.....	Dor.	"	34
" "	Opposite Wrentham st.....	"	"	3
Centre st.....	At Washington st.....	"	"	7
Dorchester ave....	50 feet south of Mayfield st.....	"	"	3
" "	Opposite No. 1021.....	"	"	5
East Cottage st....	At Chase st.....	"	"	4
Geneva ave.....	South line of Holiday st.....	"	"	3
" "	90 feet from Holiday st.....	"	"	3
Glenway st.....	At Harlem st.....	"	"	4
Lauriat ave.....	550 feet east of Blue Hill ave.....	"	"	3
" "	195 feet east of Blue Hill ave.....	"	"	3
Lawrence ave....	At Lawrence place.....	"	"	4
" "	" No. 37.....	"	"	4
Magnolia st.....	" Quincy st.....	"	"	12
Morton st.....	" south line of West Selden st.....	"	"	4
Norfolk st.....	" Harlem st.....	"	"	3
Westville st.....	100 feet west of Ditson st.....	"	"	6
A st....	At Binford st.....	So. B.	"	13
Boston st.....	" Blake pl.....	"	"	3
Boston st. (west side).....	Between Ellery and Rawson sts.....	"	"	623
Boston st. (west side).....	At Washburn st.....	"	"	3
Boston st. (west side).....	Opposite Washburn st.....	"	"	6
Congress st.....	Between Boston wharf and Sleeper st....	"	"	33
	<i>Carried forward</i>			8,892

Statement of Main Pipe Abandoned.— *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			8,892
Dorchester ave....	Between Howell and Hyde sts.....	So. B.	12-in.	1,266
Summer st.....	At E st.....	"	"	3
Swett st.....	Between Andrews sq. and N. Y., N. H. & H. R.R.....	"	"	532
" "	Between N. Y., N. H. & H. R.R. bridge and Magazine st.....	"	"	46
Brooks st.....	At Crosby st.....	Bri.	"	3
Cambridge st....	" Elko st.....	"	"	3
" "	100 feet east of Elko st.....	"	"	3
" "	Opposite Dustin st.....	"	"	3
" "	195 feet west of Eleanor st	"	"	3
" "	At Rodney st.....	"	"	3
" "	80 feet east of Webster st.....	"	"	3
Chestnut Hill ave.	At City Yard	"	"	3
Everett st.....	" Aldie st	"	"	4
" "	" Pearl st.....	"	"	4
Faneuil st	" Bothwell road	"	"	3
" "	" Donnybrook road.....	"	"	3
" "	Between Hobart and Parsons sts..	"	"	3
" "	At Newcastle road	"	"	3
Harvard ave.....	" Holmes ave.....	"	"	4
Kenrick st.....	Opposite Ice House.....	"	"	3
Market st.....	At Western ave.....	"	"	43
North Beacon st...	" Parsons st.....	"	"	15
Parsons st.....	" Faneuil st.....	"	"	5
Strathmore road...	Across Commonwealth ave.....	"	"	165
Western ave	Between Everett and Market sts.....	"	"	2,871
Water st.....	At North line of entrance to Pier No. 4....	Chsn.	"	3
" "	" South line of entrance to Pier No. 4....	"	"	3
Bennington st....	273 feet west of Ashley st.....	E. B.	"	7
Breed st.....	At Ashley st.....	"	"	7
Chelsea st.....	North of Putnam st.....	"	"	4
Frankfort st.....	Near Maverick st.....	"	"	7
Lewis st.....	At Sumner st.....	"	"	15
" "	Between Sumner and Marginal sts.....	"	"	483
Maverick sq.....	At Sumner st	"	"	27
	<i>Carried forward</i>			14,445

Statement of Main Pipe Abandoned.— *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			14,445
Maverick st.	East of Orleans st.	E. B.	12-in.	3
Meridian st.	At London st.	"	"	11
Porter st.	" " "	"	"	3
Shelby st.	" Saratoga st.	"	"	3
Sumner st.	" Lewis st.	"	"	3
" "	" " "	"	"	50
" "	" London st.	"	"	8
" "	" " "	"	"	3
	Total 12-inch			<u>14,529</u>
Congress st.	At Franklin st.	C. P.	10-in.	6
Colberg st.	Between Rexhame and Arden sts.	W. R.	"	5
Spring st.	At Gould st.	"	"	3
Newcastle road.	Between Faneuil st. and Hobson road	Br.	"	5
	Total 10-inch			<u>19</u>
Battery st.	At Commercial st.	C. P.	8-in.	5
Boylston st. (H. S.)	" Bumstead ct.	"	"	25
" "	" Hereford st.	"	"	3
" "	Between Tremont st. and Boylston pl.	"	"	255
Central st.	At Atlantic ave.	"	"	19
Central wharf (so. side)	" " "	"	"	30
Clark st.	" Commercial st.	"	"	12
Commercial whf. (north and east side)	East of Atlantic ave.	"	"	28
Commercial st.	At Clark st.	"	"	10
Dedham st.	" Newland st.	"	"	6
Henchman st.	" Commercial st.	"	"	48
Mercantile st.	" Clinton st.	"	"	5
Myrtle st.	" Anderson st.	"	"	9
North st.	" Commercial st.	"	"	70
Richmond st.	" Atlantic ave.	"	"	30
" "	" Commercial st.	"	"	48
State st.	" Atlantic ave.	"	"	24
South st.	" Summer st.	"	"	19
	<i>Carried forward</i>			646

Statement of Main Pipe Abandoned. — Continued.

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			646
Beacon st.....	Between Charlesgate West and Raleigh st.	Rox.	8 in.	37
Blue Hill ave.....	“ Edgewood and Maywood sts. ...	“	“	556
Calumet st.....	At Darling st.....	“	“	3
Charlesgate West .	“ Beacon st.	“	“	48
Chestnut ave.	“ Wyman st.....	“	“	15
Day st.....	South line of Arcola st.	“	“	3
“ “	Between Hutchins ave. and Arcola st.	“	“	165
“ “	At Hutchins ave.....	“	“	6
“ “	Opposite No. 88	“	“	3
Elmwood st.....	Near Linden Park st. (over Stony brook)	“	“	23
Granby st.	At Bay State road.....	“	“	3
Harrishof st.....	Between Harold st. and Humboldt ave....	“	“	8
Hillside st.	At Darling st.....	“	“	5
Mozart st.	“ Roys st.....	“	“	3
Vila st.....	“ Kenwood road.....	“	“	7
Wyman st.....	“ Chestnut ave.....	“	“	7
Anawan ave.....	“ Irving st.....	W. R.	“	12
Birch st.....	“ Penfield st.....	“	“	29
Boylston ave.....	Over Stony brook.....	“	“	79
Chestnut ave.....	At Boylston st.....	“	“	13
“ “	“ Paul Gore st.....	“	“	5
Lawn st.....	“ Mt. Hope st.....	“	“	7
Morton st.....	“ Union terrace.....	“	“	9
“	“ Washington st.....	“	“	6
Mt. Hope st.....	Between Folsom st. and Bradstreet ave. .	“	“	25
“ “ “	At Lawn st.....	“	“	3
Perkins st.....	“ Day st.....	“	“	6
Temple st.....	Opposite No. 124.....	“	“	3
“ “	“ “ 194.....	“	“	3
“ “	“ “ 233.....	“	“	5
Tower st.....	Between Hyde Park ave. and Forest Hills Cemetery.....	“	“	8
Union terrace....	From Morton st.....	“	“	5
Adams st.....	Opposite No. 690, near Beaumont st.....	Dor.	“	5
Ballou ave.....	Near Mascot st.....	“	“	5
	<i>Carried forward</i>			1,766

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>.....	.....	.....	1,766
Ballou ave.....	Opposite No. 60.....	Dor.	8 in.	3
Elmhurst st.....	Between Norfolk st. and Southern ave...	"	"	3
Florida st.....	Opposite Edwin st.....	"	"	3
Homes ave.....	" No. 10.....	"	"	12
Kenwood st.....	At Washington st.....	"	"	8
Lyons st.....	" Callender st.....	"	"	12
Magdala st.....	Between Van Winkle and Codman st....	"	"	12
" ".....	" " " " " "	"	"	12
Marsh st.....	From Granite ave.....	"	"	5
Melville ave.....	At Silloway st.....	"	"	8
" ".....	" Washington st.....	"	"	8
Quincy st.....	Between Columbia road and Magnolia st..	"	"	850
Robin Hood st....	At Folsom st.....	"	"	3
Speedwell st.....	Near Morton st.....	"	"	5
Templeton st.....	At Dawson st.....	"	"	3
" ".....	Between Dawson and Florida sts.....	"	"	5
" ".....	At Florida st.....	"	"	3
" ".....	Near " ".....	"	"	6
" ".....	200 feet west of Florida st.....	"	"	3
Wainwright st....	At Brent st.....	"	"	19
West Park st.....	130 feet west of Washington st.....	"	"	3
Newman st.....	At Champney st.....	So. B.	"	3
Rawson st.....	Between Dorchester ave. and Boston st..	"	"	222
Washburn st.....	" " " " " "...	"	"	154
Austin st.....	Opposite No. 111.....	Chsn.	"	3
Cambridge st....	At Brighton st.....	"	"	64
" ".....	Between Rutherford ave. and Carter st..	"	"	158
Front st.....	7 ft. east of Lowry hydrant, junction of Union st.....	"	"	4
Perkins st.....	Between Cambridge and Haverhill sts....	"	"	5
Union st.....	Between Front and Washington sts.	"	"	190
Chiswick road....	At Commonwealth ave. (south side).....	Bri.	"	12
Commonwealth ave.	" Idlewild st.....	"	"	3
Corey road.....	" Cummings road.....	"	"	3
Strathmore road..	Across Commonwealth ave.....	"	"	145
	<i>Carried forward</i>.....	.....	.....	3,718

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			3,718
Strathmore road..	Between Commonwealth ave. and Chiswick road.....	Bri.	8-in.	10
Ashley ave	Opposite No. 25.....	E. B.	"	7
Decatur st.....	At London st.....	"	"	9
Deer Island.....	" Shirley Gut	B. H.	"	14
Point Shirley.....	" "	Winthr'p	"	72
	Total 8-inch.....			3,830
Anderson st.....	Between Pinckney and Revere sts.....	C. P.	6-in.	264
Battery st.....	At Commercial st.....	"	"	40
Beacon st.....	Between Charles and Joy sts.....	"	"	1,202
Blackstone st.....	" Hanover st.....	"	"	2
Blagden st	" Exeter st.....	"	"	4
Boylston st.....	" Hereford st.....	"	"	6
" " (H. S.)	Between Tremont and Washington sts....	"	"	96
" " (L. S.)	" " " " " "....	"	"	565
Broadway	Between Washington and Harrison ave..	"	"	8
Bumstead ct.....	At Boylston st.....	"	"	6
Canton st. (East and West)	Across Washington st.....	"	"	131
Charter st.....	At Commercial st.....	"	"	21
" "	" " "	"	"	4
Chestnut st.....	Between Spruce and Willow sts.....	"	"	98
Clarendon st.....	At St. James ave.....	"	"	8
Clark st.....	Between North and Commercial sts.....	"	"	172
Clinton st.....	" Atlantic ave. and Commercial st..	"	"	659
" "	At Atlantic ave.....	"	"	32
Clinton st.....	" Commercial st.....	"	"	70
Commerce st.....	" Atlantic ave.....	"	"	25
Commercial wharf (north side).....	East of Atlantic ave.....	"	"	280
Commercial wharf (north and east sides).....	" " "	"	"	91
Commercial st.....	At Clark st.....	"	"	3
Commonwealth ave.....	Opposite No. 122.....	"	"	6
Corning st.....	Between Wheeler and Porter sts	"	"	320
	<i>Carried forward</i>			4,113

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			4,113
Devonshire st. . .	Between State and Water sts.....	C. P.	6-in.	456
Eastern ave.	Opposite Cold Storage Building.....	"	"	2
Eastern ave. (north side).....	At Commercial st.....	"	"	40
Eastern ave. (south side).....	" " "	"	"	43
East Brookline st..	At Washington st.....	"	"	67
East Concord st...	" " "	"	"	59
East Springfield st	" " "	"	"	60
Franklin st. (L.S.)	Across Oliver st.....	"	"	53
Ferry st.....	At Fulton st.....	"	"	21
Fort Hill sq. (L.S.)	Across Oliver st.....	"	"	18
Foster st.....	At Commercial st.....	"	"	56
Fulton st.....	" Barrett st.....	"	"	6
" "	Between Clinton and Lewis sts.....	"	"	1,234
Greenough lane...	At Commercial st.....	"	"	47
Harrison ave.....	" Asylum st.....	"	"	6
Harvard st.....	" Utica st.....	"	"	10
Head pl.....	" Boylston st	"	"	18
Hereford st	Between Beacon and Boylston sts.....	"	"	1,206
High st. (L. S.)....	At Summer st	"	"	81
" "	Between Summer and Federal sts.....	"	"	6
Hull st.....	At Commercial st	"	"	22
Huntington ave....	" Blagden st.....	"	"	6
India sq.....	" Atlantic ave	"	"	27
James st.....	" Newton st.....	"	"	6
Kneeland st	Between Utica and Summer sts.....	"	"	365
Kirkland st	At Corning st.....	"	"	117
Lincoln st.....	" Kneeland st.....	"	"	35
" "	" Summer st.....	"	"	25
Marlboro' st.....	" Hereford st	"	"	3
" "	" " "	"	"	6
Massachusetts av.	Between Albany and Washington sts.....	"	"	1,360
Massachusetts av. (north side).....	Across Washington st.....	"	"	124
Massachusetts av. (south side).....	At east side of Washington st.....	"	"	46
	<i>Carried forward</i>			9,744

Statement of Main Pipe Abandoned.—Continued.

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			9,744
Massachusetts av. (south side).....	At West side of Washington st.....	C. P.	6-in.	48
Newland st.....	“ Dedham st.....	“	“	20
North Anderson st.	“ Parkman st.....	“	“	12
North Grove st....	Between Cambridge and Parkman st.....	“	“	6
Northfield st.....	Near Camden st.....	“	“	11
Oliver st. (L.S.)...	Between Atlantic ave. and Franklin st...	“	“	658
Parkman st.....	At North Anderson st.....	“	“	11
Pinckney st.....	Between Joy and Anderson sts.....	“	“	335
“ “	Opposite Louisburg sq.....	“	“	4
Porter st.....	At Pleasant st.....	“	“	53
Purchase st. (L.S.)	Across Oliver st.....	“	“	54
Quincy row.....	At Clinton st....	“	“	5
“ “	“ South Market st.....	“	“	3
Revere st.....	Between Anderson and Garden sts.....	“	“	8
Rowe’s wharf.....	At Atlantic ave.....	“	“	4
Rutland st.....	“ Washington st.....	“	“	67
Sargent’s wharf...	“ Commercial st.....	“	“	6
South Market st...	Between Atlantic ave. and Commercial st.	“	“	756
St. James ave.....	At Clarendon st.....	“	“	3
Union wharf.....	“ Commercial st.....	“	“	12
Union Park st....	Between Shawmut ave. and Tremont st...	“	“	1,128
Utica st.....	“ Kneeland and Harvard sts.....	“	“	568
Van Rensselaer pl. (L.S.).....	Off Tremont st.....	“	“	12
Village st.....	At Dover st.....	“	“	6
Washington st....	Nearly opposite Flagg st.....	“	“	10
Washington st. (east side).....	Between Northampton and East Canton st.....	“	“	2,192
Washington st. (east side).....	At Canton st.....	“	“	12
West Brookline st.	“ Washington st.....	“	“	58
West Concord st...	“ “ “	“	“	57
Wheeler st.....	“ Corning st.....	“	“	5
Willow st. (L.S.)..	Between Chestnut and Mt. Vernon sts....	“	“	27
West Springfield st.	At Washington st.....	“	“	57
	<i>Carried forward</i>			15,952

Statement of Main Pipe Abandoned. -- Continued.

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			15,952
Worcester st.....	Across Washington st.....	C. P.	6-in.	116
Aberdeen st.....	At Boston & Albany R.R.....	Rox.	"	5
Akron st.....	Between Alpine and Circuit sts.....	"	"	3
Alleghany st.....	" Parker and Pontiac sts.....	"	"	16
" ".....	" " Terrace sts.....	"	"	5
Batavia st.....	At St. Stephen st.....	"	"	8
Beacon st.....	Between Charlesgate West and Raleigh st.	"	"	548
Bickford ave.....	At Heath st.....	"	"	4
Bickford st.....	" Minden st.....	"	"	6
Cardington st....	" Fenner st.....	"	"	3
Cedar st.....	" Centre st.....	"	"	12
Centre st.....	" Cedar st.....	"	"	12
" ".....	" Gardner st.....	"	"	8
" ".....	" New Heath st.....	"	"	3
Clifford st.....	Between Blue Hill ave. and Warren st....	"	"	1,206
Creighton st.....	From Centre st.....	"	"	347
Dale st.....	At Warren st.....	"	"	4
Day st.....	" Grotto Glen.....	"	"	3
Dimock st.....	" Notre Dame st.....	"	"	4
Dunford st.....	" Fenner st.....	"	"	3
Echo st.....	" Centre st.....	"	"	5
Field st.....	Opposite No. 21.....	"	"	8
Fullerton st.....	Between Fairhaven st. and Brookline ave.	"	"	3
Gardner st.....	At Centre st.....	"	"	4
" ".....	" Roxbury st.....	"	"	18
Gayland ave.....	Between West Cottage and Judson sts....	"	"	3
Greenwick st.....	Near Westminster st. (opposite No. 21)....	"	"	3
Grotto Glen.....	At Day st.....	"	"	6
Hammond st.....	" Warwick st.....	"	"	3
" ".....	" Westminster st.....	"	"	7
Heath st.....	Between Bickford ave. and Parker st....	"	"	562
" ".....	At Bickford ave.....	"	"	8
Hutchings st.....	" Graham st.....	"	"	3
Kempton st.....	Between Huntington ave. and Kenwood road.....	"	"	47
	<i>Carried forward</i>			18,948

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			18,948
Kenwood road....	At unnamed st., 1st right from Huntington ave.....	Rox.	6-in.	3
King st.....	Near Crossin pl.....	"	"	3
Maywood st.....	At Blue Hill ave.....	"	"	32
Minden st.....	" Heath pl.....	"	"	2
" "	" Posen st.....	"	"	3
" "	Opposite No. 24.....	"	"	6
Mt. Pleasant ave..	" " 60.....	"	"	6
New Heath st. (north side)....	At Centre st.....	"	"	8
Parker st.....	" Alleghany st.....	"	"	8
Park View st.....	Between Seaver and Hutchings sts.....	"	"	8
Sawyer st.	Opposite Parnell st.....	"	"	3
Sterling st.....	At Warwick st.....	"	"	15
" "	Across Westminster st.....	"	"	58
Swett st.	Between Albany st. and Massachusetts ave.	"	"	22
Tremont st.	Between Columbus ave. and Parker st....	"	"	610
Wait st.....	" Huntington ave. and Pequot st..	"	"	7
" "	At Pequot st.....	"	"	3
Warwick st.....	" Cabot pl.....	"	"	3
" "	Opposite Greenwich st.....	"	"	11
" "	At Hammond st.....	"	"	3
" "	" Sterling st.....	"	"	60
" "	" Weston st.	"	"	3
" "	" " "	"	"	12
" "	" Windsor st.....	"	"	15
Waumbeck st....	Between Harold st. and Humboldt ave....	"	"	8
Westminster st....	At Hammond st.....	"	"	3
" " ...	" Windsor st.	"	"	9
" " ...	Between Williams and Sterling sts.....	"	"	224
Windsor st.....	At Warwick st.....	"	"	6
Woodcliff st.....	" Blue Hill ave.....	"	"	6
Wyman st.....	" Chestnut ave.	"	"	13
Brookfield st....	" South Fairview st.....	W. R.	"	4
Burnett st.	" the bend in the st.....	"	"	7
	<i>Carried forward</i>			20,132

Statement of Main Pipe Abandoned.—*Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			20,132
Carolina ave.	Between Lee and South sts.	W. R.	6-in.	9
Cohasset st.	At Corinth st.	"	"	14
Corinth st.	Between Birch and Washington sts.	"	"	492
" "	At Cohasset st.	"	"	13
Grovenor road....	From Centre st.	"	"	5
Larch pl.	Off Hyde Park ave.	"	"	245
Myrtle st.	At Park pl.	"	"	3
Oakview terrace..	Opposite No. 47.	"	"	8
Orange st.	Between Cornell and Brooks sts.	"	"	3
Paul Gore st.	At Chestnut ave.	"	"	15
School st.	Between Copley and Amory sts.	"	"	3
Union ave.	Opposite No. 20	"	"	6
Barry st.	Between Hamilton and Richfield sts.	Dor.	"	167
Bowdoin st.	At Draper ct.	"	"	3
Burt st.	175 feet west of Ashmont st.	"	"	7
Buttonwood st....	At Buttonwood ct.	"	"	6
Church pl.	" Washington st.	"	"	8
Coleman st.	Between Draper ct. and Quincy st.	"	"	4
Ditson st.	130 feet north of Branch ave.	"	"	6
Draper ct.	Between Bowdoin and Clarkson sts.	"	"	4
" st.	At Homes ave.	"	"	4
Drayton st.	" Quincy st.	"	"	3
Folsom st.	From Robin Hood st.	"	"	15
Fowler st.	Between Glenway and McLellan sts.	"	"	6
Gibson st.	Junction of Adams st.	"	"	9
Johnson terrace...	Off Lauriat ave.	"	"	12
Harlem st. (H.S.),	Between Glenway and Greenwood sts	"	"	4
Mather st.	At Silloway st.	"	"	3
Moultrie ave.	Junction of Seaborn st.	"	"	15
Rosedale st.	245 feet from Washington st.	"	"	3
Seaborn st.	Between Kenwood st. and Moultrie ave...	"	"	5
Selden st.	" Morton and Nelson sts.	"	"	38
Shafter st.	" Faxon and Waterlow sts.	"	"	6
Sumner st.	At Conrad st.	"	"	3
Taylor st.	" N. Y., N. H. & H. R.R.	"	"	131
	<i>Carried forward</i>			21,410

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			21,410
Tucker st.....	At Lauriat ave.....	Dor.	6-in.	7
Van Winkle st ...	Opposite Magdala st.....	"	"	12
Wainwright st....	Between Centre st. and Welles ave.....	"	"	186
Willis st.....	At Chase st.....	"	"	10
Wrentham st.....	Near Bruce st.....	"	"	8
Bolton st.....	Between B st. and Dorchester ave.....	So. B.	"	17
Broadway.....	N.E.R.R. bridge and between A and B sts.,	"	"	34
Dexter st.....	At Ellery st.....	"	"	13
Ellery st.....	Between Boston and Dexter sts.....	"	"	762
Fourth st.....	At C st.....	"	"	3
Gates st.....	Between Telegraph and Dorchester sts....	"	"	3
Kemp st.....	" Dorchester ave. and Albot st....	"	"	109
" "	" " " " R.R.....	"	"	190
M st.....	At Columbia road.....	"	"	350
Telegraph st.....	Between Gates and Old Harbor sts.....	"	"	3
Baldwin pl.....	At Washington st.	Bri.	"	7
Braemore road....	" Commonwealth ave. (south side).....	"	"	6
Crosby st.....	Between Brooks st. and Raneleigh road ..	"	"	275
Donnybrook road.	" Faneuil st. and Hobson road ...	"	"	6
" " ..	At first Post Hydrant from Faneuil st....	"	"	3
Hobart st.....	" Raneleigh road	"	"	3
Spring st.....	Between George and Etna st.....	"	"	3
Tremont st.....	About 380 feet from Washington st.....	"	"	26
Webster st.....	At High Rock way	"	"	3
Brighton st.....	" Cambridge st.....	Chsn.	"	115
" "	Between Perkins and Cambridge st.	"	"	478
Charles River ave.	Near Water st.	"	"	79
Clinton pl.....	At Cambridge st.	"	"	68
" "	" Perkins st.....	"	"	5
" "	Off Perkins st.....	"	"	109
" "	Opposite No. 8.....	"	"	4
Crafts st.....	At Cambridge st.....	"	"	18
Gibbs ct.....	Off Main st.	"	"	57
Haverhill st.....	At Main st.....	"	"	9
" "	" " and Perkins sts.....	"	"	527
	<i>Carried forward</i>			24,918

Statement of Main Pipe Abandoned. — *Continued.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			24,918
Haverhill st.....	At Perkins st.....	Chsn.	6-in.	185
Kingston st.....	From Cambridge st.....	"	"	221
Perkins st.....	Between Brighton and B. & M. R.R.....	"	"	127
" "	" Cambridge and Haverhill sts.....	"	"	195
Sever st.....	At Haverhill st.....	"	"	4
Spice st.....	From Cambridge st.....	"	"	219
Soley st.....	Opposite No. 37	"	"	4
Union st.....	At Washington st.	"	"	4
Bennington st....	East of Neptune st.	E. B.	"	3
" "	West " " "	"	"	3
London st.....	Between Sumner and Bennington sts.	"	"	2,726
Paris st.....	Corner of Brooks st.....	"	"	4
Princeton st.....	West of Shelby st.....	"	"	4
" "	Opposite No. 26	"	"	4
" "	" No. 48	"	"	4
Saratoga st.....	East of Prescott st.	"	"	3
Shelby st.....	At Saratoga st.....	"	"	3
" "	" " "	"	"	4
Trenton st.....	" Brooks st.....	"	"	4
" "	Opposite No. 24.....	"	"	4
" "	" No. 74.....	"	"	4
Webster st.	At Lewis st.....	"	"	3
" "	Across Lewis st.	"	"	16
Moon Island	Boston Harbor.....	B. H.	"	35
	Total 6-inch			28,701
Acorn st.....	Between West Cedar and Willow sts.	C. P.	4-in.	258
Barrett st.....	" North and Fulton sts.....	"	"	309
Battery st.	" Commercial st. and North Ferry,	"	"	349
Commercial wharf (north side).....	At Atlantic ave.....	"	"	46
Commercial wharf (south side).....	" " "	"	"	37
Commercial wharf (north side).....	Between Commercial st. and Atlantic ave.,	"	"	223
Commercial wharf (south side).....	" " " " " "	"	"	272
	<i>Carried forward</i>			1,494

Statement of Main Pipe Abandoned. — *Concluded.*

LOCATION.		District.	Size.	Length.
	<i>Brought forward</i>			1,494
Ferry st.	Between North and Fulton sts.....	C. P.	4-in.	295
Fiske's wharf....	At Commercial st.....	"	"	24
Fulton pl.....	" Fulton st.....	"	"	22
Head pl.	" Boylston st.	"	"	8
" "	" " "	"	"	18
" "	Rear Tremont Theatre.....	"	"	5
India st.....	At Atlantic ave.....	"	"	41
John st.	Between North and Fulton sts.....	"	"	305
Lincoln wharf....	At Commercial st.....	"	"	40
Lowell pl.....	Off Tamworth st.....	"	"	13
Newland st.....	At Dedham st. ...	"	"	9
" "	Opposite No. 13.....	"	"	5
Northampton st..	At N. Y., N. H. & H. R.R.....	"	"	9
Porter st.....	" Pleasant st.	"	"	20
Public Alley No. 444.....	Off Hereford st.....	"	"	3
Salt lane	At Creek sq.....	"	"	2
Salutation st.....	" Atlantic ave.....	"	"	42
Spruce st.....	Between Beacon and Chestnut sts.....	"	"	307
Stillman pl.	Off Stillman st.....	"	"	5
Tamworth st.	Between Boylston and LaGrange sts....	"	"	159
Van Rensselaer pl. (L. S.).....	Off Tremont st.....	"	"	228
Willow st. (L. S.)..	Between Chestnut and Acorn sts.....	"	"	137
" " " ..	" " " Mt. Vernon sts. ...	"	"	100
Alleghany st.....	" Parker and Terrace sts.....	Rox.	"	325
Parker pl.....	At Terrace st.....	"	"	8
Bolton st.	Between B and Dorchester sts.....	So. B.	"	2,832
Tuckerman st.	Off Dorchester st.....	"	"	12
Tudor st.....	Between B and D sts.....	"	"	1,097
Brigham st.....	" Ruth and Webster sts.....	E. B.	"	98
Ruth st.	" Brigham and Webster sts.....	"	"	265
	Total 4-inch.....			<u>7,928</u>

**Maintenance Work of Miscellaneous Character Performed
during the Year ending January 31, 1901.**

	Total Number during the Year.
Boxes covering main pipe on bridges repaired	70
Brick gate chambers built (replacing wooden boxes)	34
Brick gate chambers extended	31
Calked joints for Metropolitan Water Board	1
Dead ends blown off on account of bad water	701
Fountain repairs	450
Gate boxes cleaned of mud and water	429
Gate boxes renewed in service	216
Gate boxes repaired in service	1,017
Gate covers salted in cold weather	8,549
Gates oiled in service	524
Gates removed in service on account of street railway tracks	2
Gates renewed in service on account of deterioration	2
Gates repaired in service an account of broken gates	6
Gates repaired in service on account of defective screw	8
Gates repaired in service on account of leaking gates	136
Gates repaired in service on account of nuts worn out, ...	19
Gates repaired in shop — renovation of old gates	62
Gate spindles painted in service	8
Gate stems extended on gates in service	6
Gate stem extensions strengthened by brackets and clamps, while in service	52
Gates in service tested for efficiency	7,165
Hay removed from hydrant boxes	402
Hydrant barrels changed in service for various reasons, ...	210
Hydrant boxes cleared of mud and water	1,747
Hydrant boxes renewed in service	80
Hydrant boxes repaired in service	569
Hydrants hayed as a protection in cold weather	499
Hydrant inspections in cold weather	179,103
Hydrants oiled in service	1,147
Hydrants painted in service	2,370
Hydrants repaired in service	541
Hydrants in service tested for general efficiency	6,511
Investigations made where nothing further was done by this Department	907
Joints made for Sewer Division	2
Labor expended to the amount of \$852.58 in watching mains on account of blasting.	
Location of gates marked	3,286
Mains emptied	2
Main pipe repairs caused by :	
Action of tide water	5
Air cock broken	3

	Total Number during the Year.
Air cock leaking	8
Blasting	4
Cap blown out	2
Clamp sleeve leaking	1
Clogged with rust	1
Corrosion	1
Culvert overflowing — settlement	1
Defective pipe	8
Frozen	3
Insecure caps	3
Insufficient support for large main	1
Joints blown out	6
Joints leaking — settlement	113
Joints leaking — settlement of sewer	2
Joints leaking — vibration of bridge	5
Joints leaking — vibration of streets	2
Joints leaking — vibration of tracks	3
Joints weeping	2
Leak — rust	1
Pick hole	3
Pile driver	1
Rust hole in cement pipe	7
Settlement	29
Set screws loose	1
Split	10
Subway — settlement	1
Syphon leaking	2
Syphon required strengthening	1
Worn out	12
Main uprights established on old services	79
Post hydrant blind outlets made serviceable	96
Post hydrant tops changed from old to new pattern	88
Service-pipe repairs caused by :	
Action of soil	10
Blasting	2
Broken by steam-roller	8
Broken by foundation-wall	65
Defective joints	66
Defective pipes	79
Defective packing	32
Defective stop cocks	389
Defective couplings	92
Electrolytic action	8
Frozen	72
Gnawed by rats	7
In way of various corporations	292
Main cocks required renewal	140
Pipe stolen	9
Pipe worn out	26

	Total Number during the Year.
Settlement of earth	478
Sewer construction	83
Sidewalk cocks required renewal	249
Sidewalk uprights above or below grade	8,858
Sidewalk uprights in way of edgestone	98
Stopped by dirt	123
Stopped by fish	36
Stopped by gasket	13
Stopped by rust	576
Struck by pick	237
Widening of streets	62
Service pipes changed from iron to lead	31
Service pipes extended on account of street widening, ...	24
Sewer broken by this Department repaired	1
Sidewalk cocks established upon old services	64
Sidewalk uprights established upon old services	64
Stand pipe at Mt. Bellevue cleaned inside	1
Stand pipe at Orient Heights cleaned inside	1
Street repairs	1,268
Syphons pumped out	4
Temperature in exposed pipe taken	1
Water in large mains turned off and on	28
Water in service pipes turned off and on for repairs	274
Water post repairs	1,057
Warning sign built at Rainsford Island	1

STATEMENT OF STOCK MANUFACTURED FROM THE ROUGH,
IN THE MACHINE AND CARPENTER SHOPS, DURING THE
YEAR ENDING JANUARY 31, 1901.

MACHINE SHOP.

Valves:			Water post couplings:	
3-inch	5		2-inch	200
4 "	47		Plugs:	
6 "	106		$\frac{5}{8}$ -inch	336
8 "	102		$\frac{3}{4}$ "	213
10 "	23		1 "	3
12 "	145		$1\frac{1}{4}$ "	1
	—	428		—
Corporation cocks:			Lowry hydrants	553
$\frac{5}{8}$ -inch	2,394		Boston Lowry hydrants . .	105
$\frac{3}{4}$ "	30		Ordinary post hydrants . .	29
1 "	53		Bachelder post hydrants . .	135
$1\frac{1}{2}$ "	97		Boston hydrants	131
	—	2,574	Hydrant wastes	2
Air cocks, 2-inch . . .	1		Lowry hydrant bolts . . .	553
Water post cocks:			Post hydrant bolts . . .	464
$1\frac{1}{2}$ -inch	2		Boston Lowry hydrant	721
Nipples:			bolts	200
$\frac{5}{8}$ -inch	25		Post hydrant extension	
$\frac{3}{4}$ "	29		bolts	87
$1\frac{1}{2}$ "	30		Lowry hydrant extension	
	—	84	bolts	40
Meter nipples:			Post hydrant nipples . . .	44
$\frac{3}{4}$ -inch	78		Fountain bolts	3
$1\frac{1}{2}$ "	20		Sidewalk uprights	1,269
	—	98	Reducers, 3 x 2	52
Coupling nuts:			Bent tubes, $1\frac{1}{2}$ -inch . . .	30
$\frac{5}{8}$ -inch	4,030		Set screws, $\frac{7}{8}$ -inch	2,086
$\frac{3}{4}$ "	88		Hose packing, $2\frac{1}{2}$ -inch . .	202
1 "	112		Washers, 2-inch	146
$1\frac{1}{4}$ "	19		Washers, 3-inch	146
$1\frac{1}{2}$ "	155		Hose tags	41
2 "	124		Screws for gates, $\frac{9}{32}$ -inch .	3,110
	—	4,528	Tee bolts for pumps . . .	25
Coupling tubes:			Puddling head cocks,	
$\frac{5}{8}$ -inch	4,865		$1\frac{1}{2}$ -inch	3
$\frac{3}{4}$ "	308		Gooseneck cocks, $2\frac{1}{2}$ -inch .	2
1 "	50		Jointers:	
2 "	110		4-inch	8
	—	5,333	6 "	31
Male couplings:			8 "	22
$\frac{5}{8}$ -inch	701		10 "	15
$\frac{3}{4}$ "	57		12 "	23
1 "	170		16 "	11
$1\frac{1}{2}$ "	121		30 "	1
2 "	40		48 "	1
	—	1,089		—

CARPENTER SHOP.

Stop-cock boxes	757	Boston Lowry hydrant	
Post hydrant boxes	294	boxes	57
Lowry hydrant boxes	105	Boston hydrant boxes . . .	11

BLACKSMITH SHOP.

Picks, repointed	16,480	Picks, resteeled	148
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SCHEDULE OF STOCK ON HAND IN THE DISTRIBUTION
DIVISION OF THE BOSTON WATER DEPARTMENT,
JANUARY 31, 1901.

STOCK.

MAIN PIPE AND SPECIALS.

No.	Size.		Lbs.	Lbs.	Per Lb.	Value.
45	3-inch B Pipes.....			7,110	\$0.015	\$106 65
68	4 " B "		17,612			
2260	6 " B "		960,500			
731	8 " B "		442,255			
251	10 " B "		199,545			
735	12 " A "		701,925			
735	12 " B "		776,454			
318	16 " A "		458,874			
150	16 " B "		245,250			
52	20 " B "		119,080			
6	24 " A "		15,834			
82	24 " B "		236,617			
61	30 " A "		231,068			
17	30 " B "		74,715			
4	36 " A "		20,324			
5	40 " B "		36,245			
23	42 " B "		150,098			
13	48 " A "		105,781			
2	60 " B "		24,000			
				4,816,177	0.0102	49,125 00

MAIN PIPE IN PIECES.

25 feet	3-inch B Pipe ..		325	0.015	4 88
43	" 4 " B " ..	946			
125	" 6 " B " ..	4,375			
156	" 8 " B " ..	7,800			
108	" 10 " B " ..	7,236			
141	" 12 " B " ..	12,267			
63	" 16 " B " ..	8,379			
46	" 20 " B " ..	8,510			
14	" 24 " B " ..	3,416			
27	" 30 " A " ..	8,181			
6	" 36 " A " ..	2,472			
68	" 48 " A " ..	46,104			
			109,686	0.0102	1,118 80

FLEXIBLE PIPE.

17	6-inch Pipes.....	9,741 at \$29 40 per long ton	127 85
4	8 " "	3,084 " 31 40 " " "	43 24
10	12 " "	18,090 " 29 60 " short "	267 73

1-4 CURVES.

4	3-inch	244
12	4 "	957
38	6 "	4,712
11	8 " long.....	3,025
13	8 " short.....	2,470

Carried forward..... 11,408

\$50,794 15

No.	Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>		11,408			\$50,794 15
7	10-inch long	1,925			
20	10 " short	5,740			
9	12 " long	3,123			
14	12 " short	4,718			
5	16 "	3,400			
			30,314	\$0.0257	779 07
8	20 "	7,600			
2	24 "	3,285			
1	30 "	2,640			
			13,525	0.0102	137 96
1-8 CURVES.					
23	3-inch	1,242			
34	4 "	2,006			
46	6 "	5,474			
17	8 " long	4,420			
68	8 " short	10,268			
15	10 "	3,030			
86	12 "	22,102			
25	16 "	12,450			
12	20 "	10,476			
15	24 "	19,995			
			91,463	0.0257	2,350 60
15	30-inch	25,800			
17	36 "	47,685			
1	40 "	3,378			
4	42 "	13,956			
2	48 "	8,680			
			99,499	0.0102	1,014 89
1-12 CURVES.					
1	30-inch		1,686	0.0102	17 20
1-16 CURVES.					
43	3-inch	1,505			
26	4 "	1,482			
80	6 "	7,840			
71	8 "	9,656			
31	10 "	4,960			
55	12 "	11,825			
27	16 "	11,124			
10	20 "	8,900			
17	24 "	21,267			
			78,559	0.0257	2,018 96
7	30 "	12,418			
2	36 "	5,610			
2	40 "	6,740			
3	42 "	10,554			
3	48 "	12,974			
			48,296	0.0102	492 62
1-32 CURVES.					
2	36-inch	5,530			
1	40 "	3,198			
1	42 "	3,259			
1	48 "	4,600			
			16,587	0.0102	169 19
<i>Carried forward</i>					\$57,774 64

1-64 CURVES.					
No.	Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>					\$57,774 64
1	40-inch	2,756			
2	48 "	7,957			
			10,713	\$0.0102	109 27
SLEEVES.					
40	3-inch	1,600			
76	4 "	3,420			
226	6 "	16,500			
72	8 "	7,561			
42	10 "	5,586			
154	12 "	31,882			
16	16 "	4,710			
7	20 "	2,800			
			74,059	0.0257	1,903 31
10	24 "	4,450			
8	30 "	5,496			
13	36 "	12,344			
6	40 "	5,960			
4	42 "	3,760			
9	48 "	12,510			
1	60 "	1,700			
			46,220	0.0102	471 44
CAPS.					
22	3-inch	396			
30	4 "	1,120			
63	6 "	2,331			
80	8 "	5,920			
46	10 "	4,692			
72	12 "	9,770			
12	16 "	2,796			
			27,025	0.0257	694 54
11	20 "	4,334			
10	24 "	5,740			
6	30 "	4,122			
3	36 "	3,018			
1	40 "	1,000			
2	48 "	4,120			
1	60 "	2,500			
			24,834	0.0102	253 31
3-WAY BRANCHES.					
700	various sizes		252,632	0.0257	6,492 64
67	" "		142,827	.0102	1,456 84
4-WAY BRANCHES.					
155	various sizes		77,455	0.0257	1,990 59
33	" "		73,613	.0102	750 85
3-WAY HYDRANT BRANCHES.					
48	various sizes		21,860	0.0257	561 80
3-WAY BLOW-OFF BRANCHES.					
32	various sizes		17,664	0.0257	453 96
48	" "		47,488	.0102	484 38
<i>Carried forward</i>					\$73,397 57

“ Y ” BRANCHES.

No.	Size.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>				\$73,397 57
14	various sizes.....	45,147	\$0.0102	460 50
4	30-inch x 20-inch (lugged) ..	10,092	.0315	317 90

REDUCERS.

261	various sizes.....	41,882	0.0257	1,076 37
37	“ “	58,614	.0102	597 86

OFFSETS.

245	various sizes.....	41,433	0.0257	1,064 82
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SIPHON PIPE.

65	various sizes.....	28,040	0.0102	286 01
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SIPHON BENDS.

2	24-inch	4,399	0.0102	44 87
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BRANCH OPENINGS.

22	various sizes.....	5,044	0.0102	51 45
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MANHOLE COVERS.

1	30-inch (for 30-inch manhole curve)	191	0.0102	1 95
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MAIN PIPE PLUGS.

169	various sizes.....	3,379	0.0102	34 47
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CLEANING SLEEVES.

24	various sizes.....	2,464	0.0102	25 13
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CLAMP SLEEVES.

258	various sizes.....	8,326	0.0257	213 98
1	20-inch (for cement pipe)	120	}	370
1	30-inch (for cement pipe)	250		
1	30-inch special	847	.03	25 41

BRANCH SLEEVES.

2	12-inch x 4-inch.....	750	0.0257	19 28
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SMITH SLEEVES AND VALVES.

1	6 x 2-inch.....	@		14 23
1	6 x 3 “	“		15 47
1	6 x 4 “	“		19 80
2	8 x 4 “	“	22.27	44 54
1	10 x 4 “ .....	“	....	27 23
1	12 x 4 “	“		28 46
1	12 x 6 “	“		34 65
2	20 x 4 “	“	33.41	66 82
1	6 x 3 “	“		15 47

<i>Carried forward</i>				\$77,888 01
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No.	Size.		Value.
<i>Brought forward</i>			\$77,888 01
5	6 x 4-inch.....	@ \$19.80	99 00
5	6 x 6 "	" 25.99	129 95
1	8 x 3 "	"	17 33
5	8 x 4 "	" 22.27	111 35
5	8 x 6 "	" 28.46	142 30
2	10 x 3 "	" 22.27	44 54
10	10 x 4 "	" 27.23	272 30
10	10 x 6 "	" 33.41	334 10
2	12 x 3 "	" 22.27	44 54
10	12 x 4 "	" 28.46	284 60
8	12 x 6 "	" 34.65	277 20
2	16 x 3 "	" 29.70	59 40
10	16 x 4 "	" 32.18	321 80
10	16 x 6 "	" 42.08	420 80
2	20 x 3 "	" 30.93	61 86
10	20 x 4 "	" 33.41	334 10
10	20 x 6 "	" 43.31	433 10

SPECIAL CLAMP.

1	Turtle Back.....	"	36 67
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BOLT ENDS FOR STRAPPING.

3	1-inch.....	@ 0.18	54
20	1 1-8-inch	" .31	6 10
16	1 1-4 "	" .55	8 80
19	1 3-8 "	" .55	10 45

WROUGHT-IRON STRAPS.

3,821	pounds.....	@ 0.08	305 68
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PIG LEAD.

40,940	pounds	" 0.0448	1,834 11
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GASKET.

2,215	pounds.....	" 0.04	88 60
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FIREWOOD.

34	1-4 cords.....	" 6.50	222 63
10	"	" 1.60	16 00

BLOCKING.

1,515	feet	" 0.018	27 27
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WEDGES.

342	wedges	" 0.02	6 84
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CLAY.

1,590	pounds	" 0.003	4 77
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GATES (COMPLETE).

6	36-inch	@ 438.50	2,631 00
4	30 "	" 312.50	1,250 00
10	24 "	" 178.00	1,780 00
5	20 "	" 142.00	710 00

<i>Carried forward</i>			\$90,215 74
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No.	Size.		Value.
<i>Brought forward</i>			\$90,215 74
25	16-inch	@ \$86.00	2,150 00
12	12 "	" 57.10	685 20
8	10 "	" 46.70	373 60
15	8 "	" 29.70	445 50
28	6 "	" 23.40	655 20
6	4 "	" 14.20	85 20
30	3 "	" 9.90	297 00

COMPOSITION PARTS OF GATES (FINISHED).

3-INCH GATES.

22	valves, No. 2 metal.....	@ 1.00	22 00
52	body rings, No. 3 metal.....	" .32	16 64
210	small collars, No. 2 metal	" .09	18 90
3	screws, No. 1 metal.....	" 1.43	4 29
6	valves, No. 2 "	" 1.19	7 14
8	glands, No. 2 "	" .56	4 48
14	rings, No. 2 metal.....	" .18	2 52

4-INCH GATES.

6	valves, No. 2 metal.....	" 1.44	8 64
11	screws, No. 1 "	" 1.65	18 15
2	glands, No. 2 "	" .63	1 26
328	small collars, No. 2 metal.....	" .13	42 64
164	bolts, No. 1 metal	" .08	13 12

6-INCH GATES.

32	screws, No. 1 metal.....	" 2.48	79 36
17	valves, No. 2 "	" 3.95	67 15
111	body rings, No. 3 metal.....	" .36	39 96
6	glands, No. 2 metal.....	" .85	5 10
75	small collars, No. 2 metal.....	" .11	8 25
119	stuffing-box bolts, No. 1 metal.....	" .11	13 09
694	" " nuts, No. 2 "	" .04	27 76
61	stuffing-boxes (old style), No. 2 metal	" 1.33	81 13

8-INCH GATES.

38	body rings, No. 3 metal.....	" 0.52	19 76
53	valves, No. 2 metal.....	" 5.29	280 37
6	screws, No. 1 "	" 3.03	18 18
2	valve nuts, No. 2 metal	" .93	1 86
28	stuffing-boxes (old style), No. 2 metal	" 1.33	37 24

10-INCH GATES.

12	body rings, No. 3 metal.....	" 0.95	11 40
2	screws, No. 1 metal	" 4.73	9 46

12-INCH GATES.

20	screws, No. 1, metal.....	" 5.79	115 80
2	valve rings, No. 3 metal	" 1.06	2 12
17	body rings, No. 3 "	" 1.10	18 70
9	valve nuts, No. 2 "	" 1.08	9 72
3	glands, No. 2 metal.....	" 1.73	5 19
216	stuffing-box bolts, No. 1 metal.....	" .22	47 52
332	" " nuts, No. 2 "	" .09	29 88

<i>Carried forward</i>			\$95,996 22
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16-INCH GATES.

No.	Size.		Value.
	<i>Brought forward</i>		\$95,996 22
4	screws, No. 1 metal	@ \$7.87	31 48
3	valve nuts, No. 2 metal.....	" 1.15	3 45
5	valve rings, No. 3 metal	" 1.81	9 05
111	small collars, No. 2 metal.....	" .27	29 97

CAST-IRON PARTS OF GATES (FINISHED).

3-INCH GATES.

6	tops	@ 0.80	4 80
20	bodies with rings.....	" 3.30	66 00

4-INCH GATES.

27	tops	" 0.86	23 22
4	stuffing boxes.....	" .47	1 88
32	sides with rings.....	" 2.06	65 92

6-INCH GATES.

98	tops.....	" 1.56	152 88
2	sides with rings.....	" 3.34	6 68
40	stuffing boxes.....	" .53	21 20

8-INCH GATES.

22	tops.....	" 2.41	53 02
11	stuffing boxes.....	" .53	5 83
25	sides with rings.....	" 4.94	123 50

10-INCH GATES.

3	valves.....	" 3.84	11 52
11	sides with rings.....	" 7.23	79 53

12-INCH GATES.

14	stuffing boxes.....	" 0.85	11 90
7	tops.....	" 3.98	27 86
13	valves.....	" 4.82	62 66
20	sides with rings.....	" 8.00	160 00
12	bodies with rings.....	" 13.89	166 68

MALLEABLE IRON GATE NUTS.

1,237		@ 0.144	178 13
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9 32-INCH BRASS ROD.

98	pounds.....	@ 0.192	18 82
2,000	9-32-inch brass screws.....	" .015	30 00

UNFINISHED COMPOSITION.

3,297	pounds No. 1.....	@ 0.21875	721 22
2,536	" No. 2.....	" .20875	529 39
875	" No. 3.....	" .16	140 00

UNFINISHED CAST IRON.

28,479	pounds.....	@ 0.0257	731 91
<i>Carried forward</i>			\$99,464 72

GATES TO BE REPAIRED.

No.	Size..	Value.
<i>Brought forward</i>		\$99,464 72
6	6-inch..... @ \$16.38	98 28

HYDRANTS.

COMPLETE BARRELS.

6	2-foot	6-inch	Lowry barrels.....	@	24.08	144	48
9	3	"	"	"	25.40	228	60
2	3	"	3-inch	"	25.90	51	80
16	3	"	6	"	26.17	418	72
18	3	"	9	"	26.97	485	46
21	4	"	"	"	27.76	582	96
6	4	"	3-inch	"	28.00	168	00
9	4	"	6	"	28.34	255	06
9	4	"	9	"	29.12	262	08
6	5	"	"	"	29.54	177	24
2	5	"	3-inch	"	29.86	59	72
3	5	"	6	"	30.33	90	99
1	5	"	9	"	30.62	30	62
45	Boston	Lowry barrels.....	"	"	16.55	744	75
33	Post	barrels.....	"	"	28.58	943	14
15	Bachelor	Post barrels.....	"	"	48.30	724	50
1	City of Quincy	Post barrel.....	"	"	31.00	31	00
15	Boston	barrels.....	"	"	15.00	225	00

BARRELS TO BE REPAIRED.

1	3-foot 6-inch Lowry barrels.....	@	18.32	18 32
3 4	“ “ “	“	19.43	58 29
1 4	“ 6-inch “ “	“	19.84	19 84
4	Post barrels.....	“	20.01	80 04

POTS.

	Lbs.	Lbs.	Per Lb.	
395 Lowry	252,035			
79 Boston Lowry.....	9,875			
80 Post	12,311			
10 Boston.....	1,310			
		275,531	0.0257	7,081 15

EXTENSIONS.

83	Lowry	13,833		
27	Boston Lowry.....	691		
83	Post	5,377		
9	Boston.....	1,125		
			21,026	0.0257
				540 37

CAPS.

11	825	0.0257	21 20
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WASTES.

40 large, for "L," "B.L" & "P"....	@	0.45	18 00
31 small, for Boston.....	"	.41	12 71
<i>Carried forward</i>			\$113,037 04

GASKETS.

No.	Size.		Value.
<i>Brought forward</i>			\$113,037 04
135	Lowry	@ \$0.35	47 25
159	Boston Lowry	" .18	28 62
288	Post	" .32	92 16
36	Boston	" .22	7 92

POT BOLTS.

218	Malleable iron for Lowry	" 0.18	39 24
97	" " " Boston Lowry	" .18	17 46
386	" " " Post	" .18	69 48
58	" " " Boston	" .18	10 44
126	" " " extension for Lowry	" .24	30 24
132	" " " " " Post	" .24	31 68
1,040	washers (cast iron), 432 pounds	" .0257	11 10

RUBBER VALVES.

	Lbs.	Lbs.	Per Lb.	
90 7-inch Lowry	223			
61 9-inch "	158			
25 Boston "	17			
47 Burnett	12			
117 Post	110			
202 Bachelder Post Main	233			
250 Bachelder Post, 2½-inch	35			
487 Bachelder Post, 4½-inch	84			
29 Boston	8			
	—	880	0.825	726 00

COMPOSITION PARTS (FINISHED).

LOWRY.

23	valve seats, No. 3 metal	@ 0.64	14 72
6	7-inch screws, No. 1 metal	" 2.13	12 78
43	9 " " " "	" 2.05	88 15
155	7-inch screw nuts, No. 2 metal	" 1.14	176 70
37	small Burnett valve rings, No. 3 metal ..	" .12	4 44
44	Burnett valve check nuts, No. 2 " ..	" .40	17 60
9	24-inch extensions, No. 1 metal	" 2.81	25 29
4	26 " " " " "	" 3.02	12 08
122	bolts, No. 1 metal	" .22	26 84
4	nuts, No. 2 "	" .06	24

BOSTON LOWRY.

28	screws, No. 1 metal	" 1.59	44 52
5	screw nuts, No. 2 metal	" .93	4 65
35	valve seats, No. 2 "	" .46	16 10
9	bolts, No. 1 metal	" .17	1 53
9	nuts, No. 2 "	" .06	54

POST (ORDINARY).

4	main screws, No. 1 metal	" 1.47	5 88
47	main screw nuts, No. 2 metal	" 1.20	56 40

Carried forward

\$114,657 09

No.	Size.		Value.
<i>Brought forward</i>			\$114,657 09
91	valve seats, No. 2 metal.....	@ \$0.54	49 14
61	4½-inch nipples, No. 2 metal.....	" 1.90	115 90
13	2½ " " " "	" .56	7 28
68	stuffing boxes, No. 2 "	" .76	51 68
190	small collars, No. 2 "	" .11	20 90
210	⅜-inch screws, No. 2 "	" .05	10 50

BACHELDER POST.

38	main screws, No. 1 metal.....	" 1.47	55 86
12	4 1-2 inch screws, No. 1 metal.....	" .81	9 72
10	2 1-2 " " " "	" .62	6 20
81	2 1-2 " spindles, No. 1 metal.....	" .63	51 03
8	4 1-2 " " " "	" .94	7 52
14	2 1-2 " nipples, No. 2 "	" 1.01	14 14
21	4 1-2 " " " "	" 2.43	51 03
12	4 1-2 " body valves, No. 2 metal.....	" 2.38	28 56
6	2 1-2 " " " "	" 1.54	9 24
22	2 1-2 " valves, No. 2 metal.....	" .34	7 48
50	4 1-2 " " " "	" .50	25 00
74	4 1-2 " washers, " "	" .26	19 24
38	2 1-2 " " No. 2 metal.....	" .17	6 46
12	stuffing boxes, No. 2 metal.....	" .41	4 92
58	valve seats, No. 2 metal	" 1.22	70 76
99	small collars, No. 2 metal.....	" .11	10 89
268	glands, No. 2 metal.....	" .24	64 32
68	nuts for rods, No. 2 metal	" .34	23 12
170	nuts for 2 1-2 inch and 4 1-2 inch valves, No. 2 metal.....	" .07	11 90

BACHELDER POST (LATEST).

14	2 1-2 inch screws, No. 1 metal.....	@ 0.60	8 40
1	4 1-2 " " " "	" .84	84
20	4 1-2 " nipples, No. 2 "	" 1.61	32 20
3	nuts for rods, No. 2 metal.....	" .28	84

CAST IRON PARTS (FINISHED).

LOWRY.

2	4-foot 6 inch barrels.....	@ 15.16	30 32
7	4 " 3 " "	" 14.88	104 16
5	4 " barrels.	" 14.65	73 25
12	3 " 9-inch barrels.....	" 13.90	166 80
2	3 " 6 " "	" 13.13	26 26
1	3 " 3 " "	" 12.80	12 80
9	valves.....	" .92	8 28
21	cross-bars.....	" .42	8 82
164	cross-bar caps.....	" .28	45 92
44	valve washers.....	" .20	8 80
17	Burnett valve bottoms.....	" .72	12 24
75	" " guides.....	" .23	17 25
54	" " tops	" .75	40 50

BOSTON LOWRY.

57	valves.....	" 0.17	9 69
95	valve washers.....	" .10	9 50
15	cross-bars.....	" .33	4 95
20	cross-bar caps.....	" .35	7 00

<i>Carried forward</i>			\$116,018 70
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POST (ORDINARY).

No.	Size.	Value.
<i>Brought forward</i>		\$116,018 70
8 barrels	@ \$14.47	115 76
4 valves	" .25	1 00
60 valve washers	" .16	9 60
91 large tops	" 1.24	112 84
1 small top	" .39	39
42 4 1-2 inch caps	" .54	22 68
45 2 1-2 " "	" .18	8 10
29 guides	" .26	7 54
328 keys	" .015	4 92
202 top nuts	" .04	8 08

BACHELDER POST.

24 barrels	" 14.85	356 40
12 plates	" .99	11 88
17 4 1-2 inch caps	" .35	5 95
9 2 1-2 " "	" .13	1 17
21 guides	" .24	5 04
55 domes	" .60	33 00
30 valves	" .25	7 50
6 valve washers	" .16	96
189 pounds hydrant cap chain	" 0.17	32 13
170 "S" hooks for hydrant cap chain, each	" .01	1 70
77 numbered tags	" .06	4 62
20 Post hydrant rods and nuts	" 1.06	21 20
14 Lowry hydrant rods	" .43	6 02
124 cast-steel nuts for Bachelder hydrant	" .10	12 40
524 pounds Bessemer steel hydrant rods	" .03	15 72

UNFINISHED CAST IRON.

	Per Lb.	
49,068 pounds	0.0257	1,261 05

UNFINISHED COMPOSITION.

1,085 pounds No. 1 metal	0.21875	237 34
1,315 " " 2 "	0.20875	274 51
193 " " 3 "	0.16	30 88

BOXES.

41 Lowry hydrant boxes	@ 4.25	174 25
12 Boston Lowry hydrant boxes	" 5.20	62 40
29 Post hydrant boxes	" 4.50	130 50
6 Boston hydrant boxes	" 4.00	24 00
59 stop-cock boxes (small)	" 3.70	218 30
5 " " (large)	" 4.40	22 00
6 Deacon meter boxes	" 4.40	26 40
48 hydrant box tops	" 0.95	45 60
42 stop-cock box tops	" .80	33 60
946 inches, hydrant box pieces	" .05	47 30
841 " stop-cock box pieces	" .04	33 64
46 No. 6 bases for iron stop-cock boxes ..	" 1.10	50 60
71 No. 8 " " " " " " ...	" 1.45	102 95
49 No. 16 " " " " " " ...	" 2.25	110 25
99 No. 70 pieces for iron stop-cock boxes (frames)	" 2.00	198 00

Carried forward \$119,908 87

No.	Size.		Value.
	<i>Brought forward</i>		\$119,908 87
22	No. 71 pieces for iron stop-cock boxes..	@ \$0.90	19 80
32	No. 78 " " " " " " " "	1.35	178 20
90	No. 79 " " " " " " " "	2.25	202 50
46	No. 81 " " " " " " " "	1.05	48 30
95	No. 83 " " " " " " " "	1.55	147 25
5	No. 84 " " " " " " " "	1.05	5 25
366	covers for iron stop-cock boxes	.80	292 80
7	combination Lowry tops with frames, 2,233 lbs.	.0257	57 39
12	fountain sidewalk plates, 5,400 lbs.....	.0257	138 78

FRAMES AND COVERS.

	Lbs.	Lbs.	Per Lb.	
96 Lowry frames.....		15,360	0.015	230 40
54 Boston-lowry frames	4,806			
73 Post frames.....	4,453			
36 Boston frames.....	2,052			
130 stop-cock frames ..	16,120			
60 gate frames	6,540			
2 Deacon meter frames	100			
2 reservoir " B.F.D." frames	680			
52 Lowry covers.....	9,880			
73 Lowry cover bonnets.....	4,453			
105 Boston Lowry covers.....	7,875			
55 Post covers.....	3,960			
34 Boston covers.....	2,380			
33 Boston covers (large)	3,776			
124 stop-cock covers...	11,408			
30 stop-cock covers (large)	3,540			
19 blow-off covers....	1,672			
32 elevator "	2,816			
40 fire-pipe "	3,520			
31 high-service covers	2,728			
18 high-service covers (large)	1,962			
17 division covers....	1,496			
13 division covers (large)	1,365			
26 air-cock covers	2,288			
10 reservoir " ...	880			
2 Deacon meters covers	150			
2 reservoir " B.F.D." covers.....	404			
		101,304	0.015	1,519 56

BOX LUMBER.

	Per Ft.	
24,000 feet kyanized spruce	0.022	528 00
7,000 feet creosote lumber.....	.03707	259 49
<i>Carried forward</i>		\$123,536 59

GATE CHAMBER SPECIALS.

No.	Size.		Value.
	<i>Brought forward</i>		\$123,536 59
39	malleable iron steps.....	@ \$0.44	17 16
18	" " wall brackets.....	" .44	7 92

SERVICE PIPE AND SPECIALS.

SERVICE PIPE.

	Per Lb.	
46,984 pounds lead pipe.....	0.048	2,255 23
714 " tin lined lead pipe	.10	71 40
607 feet lead lined iron pipe	.1013	61 49
762 pounds block tin pipe	.20	152 40

CORPORATION COCKS.

109 1-2 inch.....	@ 0.41	44 69
436 5-8 "	" .49	213 64
117 3-4 "	" .70	81 90
46 1 "	" 1.25	57 50
57 1 1-4 inch	" 1.42	80 94
36 1 1-2 "	" 2.19	78 84

SIDEWALK COCKS.

848 5-8 inch.....	" 0.375	318 00
124 3-4 "	" .67	83 08
167 1 inch.....	" .97	161 99
9 1 1-4 inch	" 1.47	13 23
4 1 1-2 "	" 2.25	9 00

ANGLE CORPORATION COCKS.

118 5-8 inch.....	@ 0.57	67.26
5 1 inch.....	" 1.71	8 55

T-COCKS.

18 5-8 inch	" 0.62	11 16
9 5-8 x 3-4 inch.....	" .75	6 75
7 5-8 x 1 inch.....	" .85	5 95
26 5-8 x 1 1-4 inch.....	" .92	23 92
10 5-8 inch left handed	" .94	9 40
8 5-8 " right handed.....	" .94	7 52
3 5-8 inch " Y ".....	" .62	1 86

WATER POST COCKS.

7 1 1-4 inch	@ 2.24	15 68
7 1 1-2 "	" 3.02	21 14

AIR COCKS.

54 1 inch	" 1.24	66 96
7 2 " light	" 3.30	23 10
6 2 " heavy	" 5.02	30 12

LEVER HANDLE STOP AND WASTE COCKS.

72 5-8 inch.....	@ 0.75	54 00
1 1 inch.....	" 1.53	1 53

<i>Carried forward</i>		\$127,599 90
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"T" HANDLE STOP AND WASTE COCKS.

No.	Size.		Value.
<i>Brought forward</i>			\$127,599 90
29	5-8 inch.....	@ \$0.77	22 33
6	3-4 "	.88	5 28

BIBB COCKS.

13	5-8 inch.....	" 0.375	4 88
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MALE COUPLINGS.

20	1-2 inch.....	@ 0.10	2 00
376	5-8 "	.13	48 88
89	3-4 "	.16	14 24
113	1 inch.....	.23	25 99
155	1 1-4 inch.....	.42	65 10
44	1 1-2 "	.55	24 20
37	2 inch.....	.74	27 38

FEMALE COUPLING NUTS.

26	1-2 inch	@ 0.04	1 04
1,363	5-8 "	.04	54 52
209	3-4 "	.11	22 99
83	1 inch	.13	10 79
71	1 1-4 inch.....	.20	14 20
64	1 1-2 "	.25	16 00
95	2 inch	.37	35 15

FEMALE COUPLING TUBES.

119	1-2 inch.....	@ 0.04	4 79
1,765	5-8 "	.04	70 60
254	3-4 "	.08	20 32
137	1 inch	.11	15 07
98	1 1-4 inch	.15	14 70
187	1 1-2 "	.23	43 01
94	2 inch.....	.36	33 84

CHAPMAN VALVES.

17	1 1-2 inch.....	@ 2.22	37 74
24	2 inch	3.685	88 44
78	2 " repaired	.88	68 64

CHECK VALVES.

6	1 inch	" 1.22	7 32
5	1 1-2 inch.....	" 2.98	14 90
4	2 inch	" 4.38	17 52
2	8 "	" 30.00	60 00

PLUGS.

96	1-2 inch.....	" 0.07	6 72
169	5-8 "	.07	11 83
199	3-4 "	.08	15 92
73	1 inch	.11	8 03
55	1 1-4 inch.....	.13	7 15
68	1 1-2 "	.15	10 20
54	2 inch	.19	10 26

Carried forward \$128,561 84

SOLDER NIPPLES.

No.	Size.		Value.
<i>Brought forward</i>			\$128,561 84
37	1-2 inch.....	@ \$0.13	4 81
189	3-4 ".....	" .18	34 02
27	1 inch.....	" .22	5 94
28	1 1-4 inch.....	" .45	12 60
55	1 1-2 ".....	" .49	26 95
124	2 inch.....	" .59	73 16

METER NIPPLES.

18	3-4 inch.....	" 0.24	4 32
5	1 inch.....	" .27	1 35
3	1 1-2 inch.....	" .57	1 71
56	2 inch.....	" .73	40 88

MAIN NIPPLES.

29	1 1-2 inch.....	" 0.52	15 08
25	2 inch.....	" .72	18 00
40	2 1-2 inch.....	" .83	33 20

METER REDUCERS.

10	5-8 inch x 3-4 inch.....	@ 0.23	2 30
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HOSE NIPPLES.

27	2 inch.....	" 0.65	17 55
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HOSE COUPLINGS.

61	2 inch.....	" 0.69	42 09
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HOSE STRAPS.

707		" 0.08	56 56
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WATER POST HOSE.

1,806	feet 2 1-4 inch linen hose..... per foot	0.1425	257 36
20	pieces 2 1-4 inch linen hose with coups and straps..... @	1.40	28 00

THIMBLES.

73	3 inch.....	" 0.77	56 21
12	4 ".....	" 1.19	14 28
14	6 ".....	" 1.42	19 88
152	3 " x 2 inch reducing plugs.....	" .40	60 80

MISCELLANEOUS.

5	5-8 inch force pump couplings.....	" 0.43	2 15
13	5-8 " male thawing couplings.....	" .13	1 69
8	5-8 " female thawing couplings..	" .13	1 04
36	5-8 " x 3-4 inch reducing tubes..	" .09	3 24
24	3-4 " x 1 " " " ..	" .11	2 64
8	wharf hydrant nipples.....	" .86	6 88
418	feet 2 inch enamelled pipe.....	" .24	100 32
83	2 inch enamelled elbows.....	" .27	22 41
21	2 " " couplings.....	" .20	4 20
43	2 inch x 6 inch enamelled nipples..	" .21	9 03
11	lamp post tops.....	" 2.00	22 00
7	" " bottoms.....	" 10.00	70 00

Carried forward \$129,634 49

No.	Size.			Value.
<i>Brought forward</i>				\$129,634 49
1	1 1-2 inch brass elbow.....	@	\$0.33	33
463	lbs. stick solder.....	"	.16	74 08
184	" wiping solder.....	"	.16	29 44
328	" pig tin.....	"	.3325	109 06
8	lead tacks.....	"	.075	60
		Lbs.	Lbs.	Per Lb.
1,146	small service boxes	....	13,776	0.0257 354 04
1,000	" " "	....	12,000	.0257 308 40
162	large " "	....	4,374	.0257 112 41
553	3-ft. tubes.....	8,848		
364	3-ft. 6-inch tubes...	7,644		
998	4-ft. tubes.....	24,950		
			41,442	.0257 1,065 05
1,354	small caps.....	5,416		
172	large "	1,892		
			7,308	.0257 187 81
257	sidewalk bottoms..		9,766	.0257 250 99
142	1-ft. extensions....	1,704		
62	2-ft. "	690		
34	3-ft. "	612		
32	combination up- rights.....	736		
28	service pipe plates,	728		
			4,470	.0257 114 88
6,211	sidewalk nuts.....	@	0.02	124 22
98	short tops for sidewalk bottoms....	"	.39	38 22
65	long " " " "	"	.44	28 60
703	sidewalk bushings	"	.06	42 18
15,263	lbs. unfinished cast iron.....	"	.0257	392 26
4,120	" No. 2 unfinished composition..	"	.20875	860 05
186	" " 3 " " " " ...	"	.16	29 76
		Lbs.	Lbs.	Per Lb.
8	fountain tops.....	5,440		
10	" bases.....	5,450		
7	" grates....	2,275		
			13,165	.0257 338 64
20	" check nuts.....	@	0.83	16 60
8	" tubes.....	"	.67	5 36
3	" coupling nuts.....	"	.35	1 05
13	3-4 inch brass unions.....	"	.25	3 25
60	Doherty cocks.....	"	1.125	67 50
36	" cock tops.....	"	.90	32 40
13	3-4 inch 5-way branches.....	"	.64	8 32
201	yards fountain chain.....	"	.0825	12 56
4	fountain bolts.....	"	.20	80
105	feet 3 inch soil pipe.....	"	.105	11 03
85	3 inch soil pipe bends.....	"	.1925	16 36
8	" " " " traps.....	"	.44	3 52
501	feet 1 inch enamelled pipe.....	"	.11	55 11
1,354	" 3-4 inch enamelled pipe	"	.072	97 49
2	fountain coolers.....	"	5.90	11 80
30	lbs. sheet brass.....	"	.30	9 00
145	" " copper	"	.255	36 98
82	" zinc.....	"	.0825	6 77
1,801	" unfinished cast iron.....	"	.0257	46 29
600	" " " " (fountain). "	"	.035	21 00

Carried forward \$134,558 70

IRON AND STEEL.

OCTAGON STEEL.

Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>				\$134,558 70
1-2 inch.....	30			
5-8 ".....	20			
7-8 ".....	174			
1 inch.....	36			
1 1-4 inch.....	20			
1 1-2 ".....	99			
2 1-2 ".....	7			
3-inch.....	156			
3 1-2 inch.....	104			
		646	\$0.12	77 52

ROUND CAST STEEL.

3-8 inch.....		8	0.13	1 04
1-2 ".....	16			
5-8 ".....	77			
3-4 ".....	47			
		140	.12	16 80
1-inch.....		10	.065	65
1 3-8 inch.....		15	.075	1 13
1 1-4 ".....		99	.155	15 35
1 1-2 ".....		122	.16	19 52
1 3-4 ".....		69	.12	8 28
2 1-4 ".....		107	.075	8 03
2 1-2 ".....		65	.06	3 90
2 3-4 ".....		8	.06	48
3 3-4 ".....		9	.06	54

SQUARE CAST STEEL.

1-4 inch.....	3			
3-8 ".....	6			
5-8 ".....	25			
		34	0.12	4 08
7-8 ".....	24			
1-inch.....	50			
		74	.06	4 44
1 1-8 inch.....		41	.12	4 92
1 1-4 ".....	264			
1 3-8 ".....	93			
		357	.16	57 12
1 1-2 ".....	....	166	.075	12 45
1 3-4 ".....	....	140	.12	16 80
2-inch.....	167			
2 1-2 inch.....	219			
4-inch.....	54			
		440	.075	33 00

CAST STEEL.

1-2 x 1 inch.....	....	79	0.09	7 11
1-2 x 2 ".....	12			
1-2 x 3 ".....	20			
3-8 x 1 ".....	13			
		45	.12	5 40

Carried forward \$134,857 26

Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>				\$134,857 26
3-8 x 1 3-8 inch.....	....	11	\$0.13	1 43
3-8 x 2 1-2 ".....	95			
5-8 x 1 1-2 ".....	24			
5-8 x 2 1-2 ".....	67			
	—	186	.12	22 32
5-8 x 3 ".....	....	19	.13	2 47
3-4 x 1 1-2 ".....	....	20	.11	2 20
1 x 1 1-2 ".....	....	31	.12	3 72
1 x 2 ".....	64			
1 x 3 ".....	37			
1 1-4 x 3 1-2 ".....	16			
2 1-4 x 3 ".....	76			
	—	193	.08	15 44

ROUND BESSEMER STEEL.

5-16 inch.....	294			
1 ".....	68			
1 1-4 ".....	183			
1 3-4 ".....	265			
2 3-8 ".....	94			
2 1-2 ".....	140			
	—	1,044	0.03	31 32
6 ".....		85	.02	1 70

SQUARE BESSEMER STEEL.

3-4 inch.....	84			
7-8 ".....	53			
1 ".....	440			
1 1-4 ".....	208			
1 3-8 ".....	34			
1 1-2 ".....	56			
2 1-4 ".....	81			
3 1-2 ".....	436			
	—	1,392	0.03	41 76

BESSEMER STEEL.

3-4 inch x 3 1-2 inch.....		95	0.03	2 85
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ROUND NORWAY IRON.

1-4 inch.....	180			
3-8 ".....	200			
	—	380	0.04	15 20
1-2 ".....	483			
9-16 ".....	86			
5-8 ".....	279			
3-4 ".....	378			
7-8 ".....	546			
	—	1,772	0.0375	66 45
1 inch.....	...	741	.045	33 35
1 1-8 inch.....	...	715	.0425	30 39
1 1-4 ".....	287			
1 3-8 ".....	395			
1 1-2 ".....	401			
1 3-4 ".....	133			
2 inch.....	150			
	—	1,366	.04	54 64

Carried forward \$135,182 50

SQUARE NORWAY IRON.

Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>				\$135,182 50
1-2 inch.....	87			
5-8 ".....	52			
3-4 ".....	70			
7-8 ".....	521			
1 inch.....	310			
1 1-8 inch.....	470			
1 1-4 ".....	460			
2 1-2 ".....	67			
2 3-4 ".....	107			
	—	2,144	\$0.0375	80 40

NORWAY IRON.

3-16 x 1-2 inch.....	31			
3-16 x 1 1-2 ".....	13			
3-16 x 2 3-4 ".....	10			
1-4 x 1 1-2 ".....	69			
1-4 x 2 ".....	88			
1-4 x 2 1-4 ".....	16			
3-8 x 5-8 ".....	6			
	—	233	0.0425	9 91
3-8 x 2 ".....	52			
3-8 x 2 3-8 ".....	122			
	—	174	.04	6 96
3-8 x 3 ".....	....	121	.0325	3 93
1-2 x 3-4 ".....	9			
1-2 x 1 ".....	106			
	—	115	.0425	4 89
1-2 x 2 ".....	331			
1-2 x 2 3-4 ".....	1,027			
1-2 x 3 1-4 ".....	38			
1-2 x 3 1-2 ".....	13			
1-2 x 4 ".....	14			
1-2 x 5 ".....	15			
	—	1,438	.033	47 45
5-8 x 1 ".....	....	662	.0425	28 14
5-8 x 1 1-2 ".....	63			
5-8 x 1 5-8 ".....	300			
5-8 x 1 3-4 ".....	357			
5-8 x 2 ".....	58			
5-8 x 2 1-4 ".....	74			
5-8 x 2 3-4 ".....	564			
5-8 x 3 ".....	1,406			
5-8 x 3 1-4 ".....	110			
5-8 x 3 1-2 ".....	97			
5-8 x 6 ".....	44			
	—	3,073	.0375	115 24
3-4 x 1 1-4 ".....	111			
3-4 x 2 ".....	136			
	—	247	.0325	8 03
3-4 x 2 1-2 ".....	759			
3-4 x 2 3-4 ".....	555			
3-4 x 3 ".....	276			
3-4 x 5 ".....	160			
1 x 1 1-2 ".....	205			
	—	1,955	.0375	73 31
1 x 2 1-4 ".....	....	386	.0475	18 34

Carried forward \$135,579 10

Size.	Lbs.	Lbs.	Per Lb.	Value.
<i>Brought forward</i>				\$135,579 10
1 x 2 1-2 inch	914			
1 x 2 3-4 "	221			
		1,135	\$0.045	51 08
1 x 3 inch.....	160			
1 1-8 x 3 inch	49			
		209	.0475	9 93
1 1-4 x 2 "	274			
1 1-4 x 2 1-2 inch	950			
1 1-4 x 3 inch.....	69			
1 1-2 x 3 "	25			
		1,318	.04	52 72

ROUND REFINED IRON.

5-8 inch.....	9			
3-4 "	38			
7-8 "	512			
		559	0.0285	15 93

REFINED IRON.

1-4 x 3 inch	16			
1-4 x 4 "	62			
3-16 x 3-4 inch.....	43			
		121	0.018	2 18
3-8 x 1 inch	538			
3-8 x 3 "	43			
5-8 x 2 1-2 inch.....	183			
		764	.0285	21 78
5-8 x 3 inch.....	....	71	.02	1 42
3-4 x 2 " .....	....	885	.0275	24 34

BAND IRON.

1-8 x 1 inch	229			
1-8 x 1 1-8 inch.....	156			
1-8 x 1 1-4 "	76			
1-8 x 1 1-2 "	23			
1-8 x 2 inch.....	50			
1-8 x 2 1-2 inch.....	90			
1-8 x 3 inch	84			
3-16 x 2 3-4 inch.....	31			
1-4 x 1 1-2 "	4			
1-4 x 2 inch.....	6			
		749	0.03	22 47

ANGLE IRON.

3-4 inch.....	7			
1 "	5			
1 1-2 inch.....	111			
2 inch.....	72			
		195	0.035	6 83

GALVANIZED SHEET IRON.

31 lbs.....		0.0625	1 94
<i>Carried forward</i>			\$135,789 72

SET SCREWS.

No.	Size.		Value.
<i>Brought forward</i>			\$135,789 72
69	7-16 x 1 inch.....	@ \$0.0248	1 71
23	1-2 x 3-4 "	.0225	52
45	1-2 x 1 "	.0225	1 01
67	1-2 x 1 1-2 inch.....	.02	1 34
49	1-2 x 1 1-4 "	.02	98
24	5-8 x 1 1-2 "	.0165	40
40	5-8 x 2 1-4 "	.0192	77
22	3-4 x 1 1-2 "	.0192	42
1,421	7-8 x 4 inch.....	.14	198 94

BOLTS.

11	3-8 x 1 1-2 inch.....	" 0.0126	14
203	1-2 x 1 1-2 "	.0126	2 56
100	1-2 x 1 3-4 "	.013	1 30
62	1-2 x 2 inch.....	.0193	1 20
270	1-2 x 2 1-2 inch.....	.0124	3 35
135	1-2 x 3 inch.....	.0132	1 78
127	1-2 x 3 1-2 inch.....	.013	1 65
71	1-2 x 4 inch.....	.0138	98
88	1-2 x 5 "	.0162	1 43
50	1-2 x 6 "	.0233	1 17
100	1-2 x 7 "	.0233	2 33
110	1-2 x 8 "	.0233	2 56
35	1-2 x 10 "	.07	2 45
50	1-2 x 11 "	.0346	1 73
50	1-2 x 12 "	.0377	1 89
216	9-16 x 2 inch	.0242	5 23
365	9-16 x 2 1-4 inch.....	.0242	8 83
24	9-16 x 2 3-4 "	.0242	58
181	9-16 x 5 1-4 "	.0242	4 38
50	5-8 x 1 1-2 "	.0165	83
56	5-8 x 2 inch.....	.0492	2 76
555	5-8 x 2 1-2 inch.....	.01312	7 28
471	5-8 x 2 1-2 " (T Head).....	.03	14 13
197	5-8 x 2 3-4 "	.0492	9 69
1,381	5-8 x 3 inches.....	.0285	39 36
1,407	5-8 x 3 1-2 inch.....	.0216	30 39
380	5-8 x 3 1-2 " (T Head).....	.03	11 40
467	5-8 x 4 "	.0307	14 34
226	5-8 x 4 1-2 "	.0224	5 06
229	5-8 x 5 inch	.0197	4 51
110	5-8 x 6 "	.0431	4 74
93	5-8 x 7 "	.0469	4 36
95	5-8 x 8 "	.0507	4 82
96	5-8 x 10 "	.0583	5 60
156	5-8 x 12 "	.04	6 24
256	3-4 x 1 1-2 inch	.0229	5 86
88	3-4 x 1 3-4 "	.0229	2 02
748	3-4 x 2 3-4 "	.0298	22 29
27	3-4 x 3 inch	.0375	1 01
106	3-4 x 3 " (large head).....	.0566	6 00
30	3-4 x 3 1-2 inch.....	.0314	94
245	3-4 x 3 3-4 " (large head)	.045	11 03
1,980	3-4 x 4 inch.....	.0307	60 79
105	3-4 x 4 1-2 inch	.0663	6 96
20	3-4 x 5 inch	.035	70

Carried forward \$136,324 46

No.	Size.		Value.
<i>Brought forward</i>			\$136,324 46
5	3-4 x 5 1-2 inch.....	@	\$0.0329 16
85	3-4 x 6 inch.....	"	.0702 5 97
131	3-4 x 7 ".....	"	.0702 9 20
42	3-4 x 8 ".....	"	.0452 1 90
87	3-4 x 9 ".....	"	.0483 4 20
93	3-4 x 10 ".....	"	.0576 5 36
62	3-4 x 12 ".....	"	.19 11 78
78	3-4 x 15 ".....	"	.19 14 82
132	7-8 x 4 ".....	"	.0546 7 21
17	1 x 4 inch.....	"	.03 51
9	1 x 4 1-2 inch.....	"	.03 27
1	1 x 5 1-2 ".....	"	.07 07
19	1 x 6 inch.....	"	.0486 92
39	1 1-8 x 5 inch.....	"	.31 12 09
12	1 1-4 x 9 ".....	"	.312 3 74
21	1 1-4 x 10 ".....	"	.312 6 55
10	1 1-4 x 12 ".....	"	.312 3 12
22	1 3-8 x 10 ".....	"	.312 6 86
25	1 3-8 x 12 ".....	"	.312 7 80

TAP BOLTS.

89	3-8 x 1 1-4 inch.....	"	0.015 1 34
49	1-2 x 1 1-4 ".....	"	.015 74
81	1-2 x 1 3-4 ".....	"	.0231 1 87
23	1-2 x 2 1-2 ".....	"	.0198 46
91	1-2 x 3 inch.....	"	.0215 1 96
50	1-2 x 4 ".....	"	.03 1 50
97	9-16 x 1 3-4 inch.....	"	.034 3 30
96	5-8 x 1 1-2 ".....	"	.0287 2 76
81	5-8 x 2 inch.....	"	.0307 2 49
181	5-8 x 2 1-2 inch.....	"	.0287 5 19
100	5-8 x 3 inch.....	"	.0307 3 07
50	5-8 x 4 ".....	"	.04 2 00
11	3-4 x 2 1-2 inch.....	"	.04 44
2	3-4 x 4 inch.....	"	.04 08

SQUARE NUTS.

428	7-16 inch.....	"	0.01 4 28
593	1-2 ".....	"	.01 5 93
574	3-4 ".....	"	.04 22 96
946	7-8 ".....	"	.055 52 03
31	1 ".....	"	.06 1 86
13	1 1-8 ".....	"	.043 56
18	1 1-4 ".....	"	.09 1 62
74	1 3-8 ".....	"	.07 5 18
51	1 1-2 ".....	"	.0914 4 66

HEXAGON NUTS.

90	5-8 inch.....	"	0.0215 1 94
53	3-4 ".....	"	.0215 1 14
2,909	7-8 ".....	"	.0349 101 52
15	1 ".....	"	.0215 32
329	1 1-8 ".....	"	.0668 21 98
46	1 1-4 ".....	"	.09 4 14
18	1 3-8 ".....	"	.1156 2 08

AXLE NUTS.

21		"	0.30 6 30
----	-------	---	-----------

Carried forward \$136,692 69

WASHERS.

No.	Size.		Value.
<i>Brought forward</i>			\$136,692 69
25 pounds	1-4 inch	@ \$0.07	1 75
50	" 5-16 "	.035	1 75
2	" 3-8 "	.06	12
19	" 7-16 "	.065	1 24
26	" 9-16 "	.065	1 69
460	" 11-16 "	.04	18 40
331	" 13-16 "	.03	9 93
299	" 15-16 "	.04	11 96
110	" 1 1-4 inch x 2 3-4 inch	.03	3 30
127	" 1 3-8 " x 3 "	.03	3 81
169	" 1 1-2 " x 3 1-2 "	.03	5 07
94	" 1 5-8 " x 3 1-2 "	.03	2 82

PAINTS.

23 gallons	No. 34	" 1.90	43 70
9	" bottle green	" 1.90	17 10
51 pounds	green paint	" .12	6 12
10	" wrought-iron paste	" .04	40
8	" litharge	" .10	80
8	" lamp black	" .15	1 20
15	" ivory "	" .26	3 90
12	" ultra marine blue	" .18	2 16
15	" burnt umber	" .12	1 80
24	" raw umber	" .07	1 68
5	" dry umber	" .07	35
28	" burnt sienna	" .12	3 36
28	" raw sienna	" .10	2 80
25	" chrome yellow	" .20	5 00
52 gallons	P. B. paint	" .55	28 60
220 pounds	white lead	" .0612	13 46
92	" red lead	" .06	5 52
175	" venetian red in oil	" .16	28 00
28	" vermilion	" .16	4 48
14 gallons	shellac	" 2.50	35 00
6	" japan	" .50	3 00
22	" turpentine	" .42	9 24
75 pounds	putty	" .0225	1 69
8	" plumbago	" .13	1 04
4 gallons	varnish	" 1.25	5 00
52	" boiled oil	" .67	34 84
15	" raw oil	" .65	9 75
3	" wood alcohol	" 1.00	3 00
5	" mixed paint	" 1.00	5 00

LUMBER.

4,397 feet	spruce timber	" 0.018	79 15
950	" 2-inch spruce plank	" .015	14 25
3,900	" 1 " " boards	" .018	70 20
175	" 1-2 inch pine	" .05	8 75
75	" 7-8 " " "	" .03	2 25
500	" 7-8 " " barn-boards	" .025	12 50
575	" 1 " " "	" .06	34 50
130	" 1 1-8 inch pine	" .065	8 45
575	" 1 1-2 " " "	" .065	37 38
200	" 1 7-8 " " "	" .07	14 00

Carried forward \$137,313 95

No.	Size.		Value.
<i>Brought forward</i>			\$137,313 95
300 feet	2-inch pine	(@) \$0.065	19 50
750 "	2 1-2 inch pine	" .07	52 50
750 "	3-inch	" .07	52 50
96 "	7-8 inch pine sheathing.....	" .03	2 88
250 "	1 1-4 inch pine sheathing	" .065	16 25
50 "	7-8 inch pine (hard).....	" .04	2 00
410 "	7-8 inch oak.....	" .14	57 40
500 "	3-inch oak.....	" .08	40 00
150 "	6 x 8 inch oak	" .08	12 00
115 "	2-inch ash.....	" .06	6 90
100 "	1 1-2 inch mahogany	" .25	25 00
50 "	2-inch mahogany.....	" .25	12 50
25 "	7-8 inch black walnut	" .135	3 38
30 "	2-inch crown moulding.....	" .02	60
150 "	3-inch bed moulding	" .04	6 00
1	bundle clapboards	" .80	80

NAILS.

190 pounds	4-d wire nails	" 0.045	8 55
115 "	6-d " "	" .0395	4 54
848 "	8-d " "	" .0265	22 47
619 "	10-d " "	" .026	16 09
999 "	20-d " "	" .0255	25 47
739 "	40-d " "	" .0255	18 84
105 "	60-d " "	" .0255	2 68
57 "	6-d cut "	" .0235	1 34
74 "	8-d " "	" .0235	1 74
95 "	10-d " "	" .0235	2 23
85 "	20-d " "	" .023	1 96
100 "	40-d " "	" .023	2 30
93 "	60-d " "	" .023	2 14
137 "	6-d finish nails.....	" .0385	5 27
100 "	8-d " "	" .0385	3 85
61 "	10-d " "	" .0385	2 35
182 "	12-d " "	" .0385	7 01
40 "	8-inch wire spikes	" .0185	74
142 "	9 " " "	" .0185	2 63

MISCELLANEOUS.

140 feet	3-inch drain pipe.....	" 0.0512	7 17
114 "	4 " " "	" .08	9 12
100 "	6 " " "	" .12	12 00
60 "	8 " " "	" .14	8 40
32 "	10 " " "	" .24	7 68
12 "	12 " " "	" .31	3 72
81	3-inch drain pipe bends.....	" .16	12 96
21	4 " " " "	" .26	5 46
35	6 " " " "	" .44	15 40
20	8 " " " "	" .57	11 40
23	10 " " " "	" 1.02	23 46
4	12 " " " "	" 1.30	5 20
1	6-inch x 4-inch drain pipe branch ..	" .43	43
1	10 " x 6 " " " ..	" .94	94
300 tons	beach gravel.....	" .73	219 00
42 "	gravel	" .90	37 80
10 "	"	" .875	8 75
14 "	cracked stone	" 1.875	26 25

Carried forward..... \$138,171 50

No.	Size.		Value.
	<i>Brought forward</i>		\$138,171 50
3	barrels common cement	@ \$1.35	4 05
2	" Portland "	" 2.35	4 70
84	pounds No. 2 unfinished composition	" .20875	17 54
2,817	" unfinished cast iron	" .0225	63 38
136	staples	" .02	2 72
31	pounds ball wicking	" .17	5 27
60	" leather board	" .055	3 30
244	" brass rod, various sizes . . .	" .23	56 12
77	" tallow	" .0525	4 04
198	" leather	" .28	55 44
13	" phospo bronze wire	" .60	7 80
10	" oak filler	" .18	1 80
960	" lead washers, various sizes. ..	" .05	48 00
1,200	paving blocks	" .04	48 00
2,200	" bricks	" .011	24 20
Total			<u>\$138,517 86</u>

APPENDIX C.

REPORT OF THE ENGINEER.

ENGINEERING DEPARTMENT,

50 CITY HALL, February 1, 1901.

GEN. A. P. MARTIN,

Water Commissioner :

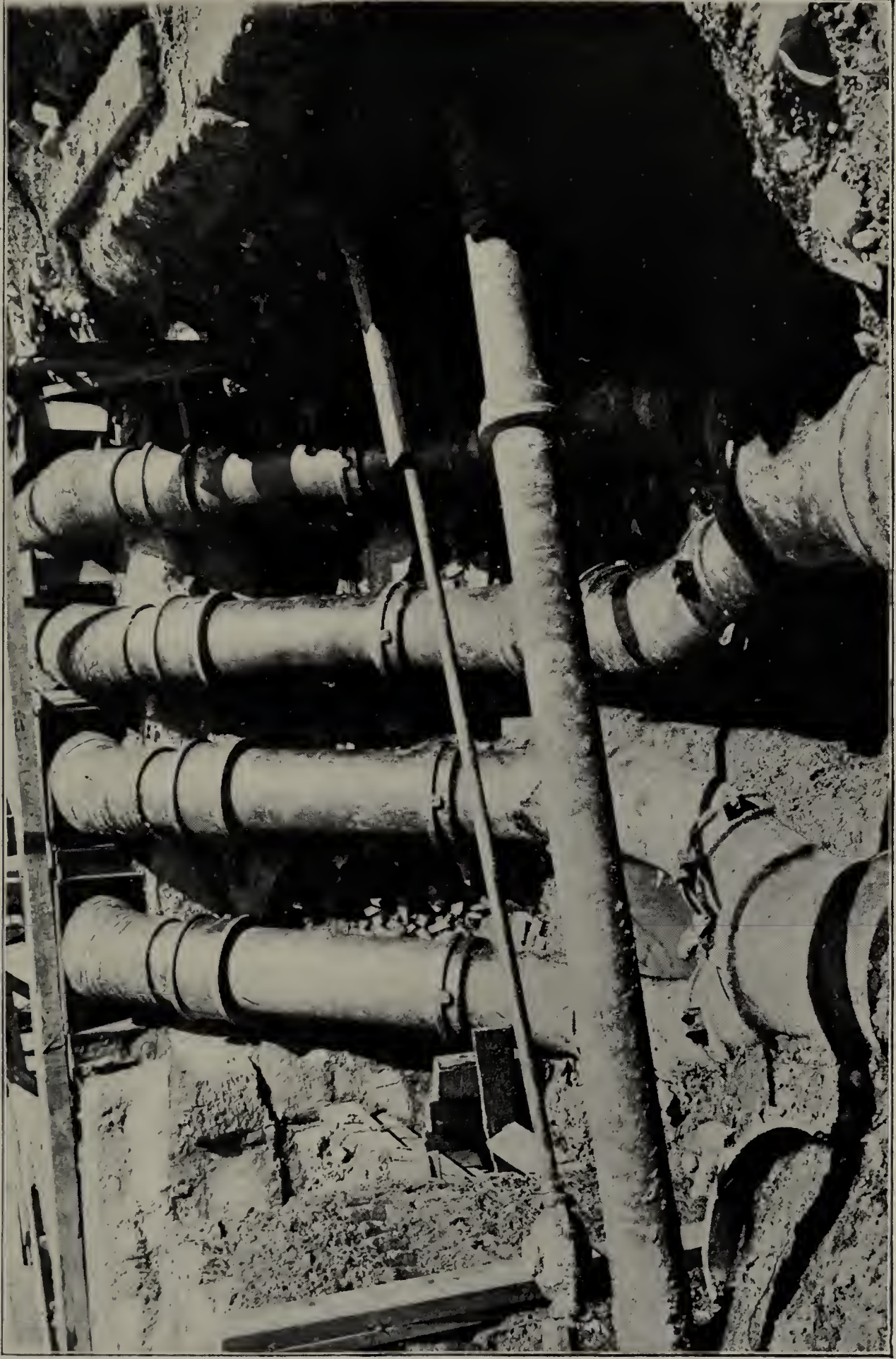
SIR, — I hereby submit the following report of the work done and the records kept during the past year :

During the past year 20.4 miles of main pipe have been laid and 11.1 miles abandoned, making a net increase of 9.3 miles, and a total length in the system of 713.4 miles. The following classification will indicate to some extent the character of the work done :

	Miles.
(1) Extension of large supply mains	1.0
(2) Extension of mains for new buildings (by petition)	5.6
(3) Relaying old or small mains	4.4
(4) Relaying in advance of street construction	6.0
(5) Miscellaneous work largely necessitated by other construction	3.4

The most important work done during the year is as follows :

The 30-inch high service main was extended in Washington street, Dorchester, from Bowdoin street to Talbot avenue, there connecting with a 16-inch line. A 20-inch main was laid in B street, South Boston, from Danby to Claflin street, thence crossing under twenty-three freight tracks of the N. Y., N. H. & H. R.R. and through Binford street to A street; this line materially improves the fire service in a district where values are rapidly growing. A 24-inch pipe was laid from the 30-inch high service main on the Common to the subway, it there divides into three 16-inch pipes, which pass over the subway roof in channels provided for the purpose, and which are each connected with the 16-inch line in Tremont street.



TWENTY-INC H PIPES CROSSING OVER BRIDGE ON TREMONT STREET AT CASTLE SQUARE.

BRARY
OF THE
UNIVERSITY OF ILLINOIS

The new location of the Boston & Providence R.R. made it necessary at Castle square to abandon two lines of 30-inch pipe for a distance of about 120 feet; four lines of 20-inch steel pipes were substituted for them and were carried under the floor of the new highway bridge over the railroad tracks and connected by 30" $\times$ 20" Y branches on each end; in addition to being enclosed in tight boxes formed by special bridge construction the steel pipes were covered by Voorhees patent insulation as a further protection from freezing.

The work of abolishing the grade crossing at Cambridge street, Charlestown, carried out by the B. & M. R.R., caused a number of changes in the water pipes in that vicinity — 820 feet of 30-inch wrought-iron cement-lined pipe was abandoned in Cambridge and Perkins streets, and a like amount of 30-inch cast-iron pipe was laid in the same streets to replace it; the old cement-lined pipe, laid in 1869, was found to be remarkably clean on the inside; its wrought-iron shell, originally 0.16-inches thick was reduced in spots by rusting to a thickness of 0.11 inches, and the cement lining and covering showed but slight tensile strength; 3,150 feet of 12-inch pipe was laid in Cambridge street and in other streets affected by the change of grade, replacing in each case pipe of a small size; also 680 feet of 6-inch was relaid in different streets.

The following work was done in connection with the changes of grade on Dorchester avenue, Boston street and Swett street.

1,266	feet	of	16-inch	pipe	was	laid	in	Dorchester	ave.,	replacing	12-inch.
154	"	"	8	"	"	"	"	Washburn	st.,	"	8
75	"	"	8	"	"	"	raised	in	"	"	"
222	"	"	8	"	"	"	laid	"	Rawson	"	replacing 8-inch.
125	"	"	8	"	"	"	raised	"	"	"	"
290	"	"	6	"	"	"	laid	"	Kemp	st.,	replacing 6-inch.
928	"	"	16	"	"	"	"	in	Boston	st.,	replacing 16-inch.
150	"	"	16	"	"	"	raised	in	Boston	st.	"
844	"	"	20	"	"	"	laid	"	"	"	replacing 20-inch.
210	"	"	20	"	"	"	raised	"	"	"	"
623	"	"	12	"	"	"	laid	"	"	"	replacing 12-inch.
265	"	"	12	"	"	"	raised	"	"	"	"
532	"	"	16	"	"	"	laid	"	Swett	st.,	replacing 12-inch.
762	"	"	8	"	"	"	"	Ellery	"	"	6

The 12-inch mains in Atlantic avenue and Commercial street, from Oliver to Prince, and the 6-inch main in Clinton street, from Commercial to Atlantic avenue, were relaid with 16-inch pipe, making a great improvement in the fire service of the north-eastern section of the City.

A 16-inch main was laid in Summer street, from Dewey square to the foot of Bedford street, replacing a 12-inch pipe.

The 16-inch main in Western avenue, Brighton, was extended from Everett street to Market street, replacing a 12-inch main.

A 16-inch main was laid in Blue Hill avenue, Dorchester, from Gaston to Edgewood street, replacing an 8-inch pipe.

A 16-inch main was laid in Corinth street, West Roxbury, from Birch to Washington street, replacing a 6-inch pipe.

A 12-inch main was laid on each side of Washington street, from Canton street to Northampton street, replacing a single line of 6-inch pipe and reinforcing the supply in a district where the fire supply was altogether inadequate.

A number of other streets in different parts of the City were relaid with 12-inch, 10-inch and 8-inch pipe, to improve the existing service; about one-half the total amount of work done throughout the year was of this class.

In relaying practically no leaks have been found in the joints of the old pipes, and the fact that no considerable amount of water is wasted in this way is a tribute to careful and effective work.

Considerable attention has been given to improving the designs of the gates and hydrants; the old B. W. W. type of gate, with body in three pieces, and with heavy lead joints, is being given up as fast as new drawings, patterns, etc., can be made. The type of gate adopted is equally durable, much lighter, and consequently more economical. The Bachelder independent valve hydrant is now being manufactured exclusively, from drawings made in this office; each outlet is controlled by its own valve, making it possible, without shutting off the water, to connect a second and third engine to a hydrant already in use.

The patterns owned by the Water Department (400 in number comprising 2,100 different parts) have been marked with composition letters and listed in a "Pattern Book;" a room has been set apart for their storage with stalls, shelves, etc., suitably marked.

ELECTROLYSIS.

While the water-pipe system of the City has not suffered from electrolysis in the past to so great an extent as was feared, there is reason to believe that the conditions are growing worse, and that something must be done or the pipe system will suffer serious damage.

The accompanying report of Messrs. Stone and Webster shows the special work which has been done during the past year to determine the electrical condition of the pipe system

and in addition to this special work a large number of observations were made when pipes were exposed in excavations; these observations cover every section of the City, and show that serious damage is being done to services in some places.

WILLIAM JACKSON, Esq., *City Engineer*,

CITY HALL, BOSTON, MASS.:

DEAR SIR, — In our report on the electrolysis of water pipes for the year 1899 we considered in detail the voltmeter readings in various sections of the City, paying much attention to a comparison with what we had found the preceding year. In our investigations for 1900 we have not deemed it essential to take so many readings or to make so detailed a comparison, for the reason that we find the conditions varying so little from year to year. Therefore, in this report we make but a general comparison of the conditions in 1899 and 1900, emphasizing only such points as we believe of particular importance, notably the serious conditions that still prevail in the Field's Corner District.

In 1899 we made two electrical surveys of the City, taking about 450 voltmeter readings each time; in 1900 we took hardly more than 250 such readings, a sufficient number, however, to enable us to report with much certainty upon the general conditions. From the accompanying tables it will be seen that the grand averages of the two years are about the same, 1 volt being the positive average for 1899, and 1.1 for 1900; 1 and 1.1 the negative averages for 1899, and 1.3 for 1900. So also with the maximum readings, +6 being the highest positive reading for 1899 and +6 for 1900; —10 the highest negative reading for 1899 and —12 for 1900. Therefore, we consider the conditions about the same for the two years, with certainly no general improvement for 1900. In considering the Boston Elevated Railway system apart from the others, it will be seen that likewise the conditions for the two years were about the same. Owing to a new line having been opened on Commonwealth avenue to Chestnut Hill Reservoir there is a local increase in the size of the readings in Brighton, and we should expect this slight difference on account of the unusually heavy grade on that avenue.

The other roads, taken by themselves, show, on an average, conditions somewhat for the worse.

We use in making up our averages only the maximum readings; therefore where we took but a single reading in any district this will be the average as well as the maximum. In one instance (Lynn & Boston Railroad, on Breed's Island), the fluctuation was from —.5 to —9.5, according to the position of the cars. But we used only —9.5 in making up our averages. We may further add that where there is the most uninterrupted traffic, and consequently the most continuous flow of current, the readings are apt to be the steadiest, the maximum, minimum and average

tending to become one and the same. Much variation in voltage generally indicates an inferior return circuit, but the greatest fluctuations are apt to be in districts where the traffic is light, hence are not a sure sign that there is any very large flow of current on to the pipe system. The above case is where a single car caused almost the entire movement of the needle, and, being in a negative district, we do not consider it cause for alarm. The troubles to pipe caused by the Lynn & Boston Railroad are likely to be on some other water system than that belonging to the City of Boston.

The West Roxbury & Roslindale Street Railway has comparatively light traffic, and, although we found — 12 volts on Oakland street, the needle only shot up to that figure momentarily, so we are not prepared to say that serious trouble is imminent because of this reading.

High + readings on River street, in the Mattapan district of the Norfolk-Suburban Street Railway, still maintain, and there we expect that trouble will soon be apparent.

We come now to a point to which your attention should be particularly called, namely, corrosion along Park street, Dorchester avenue, and Neponset avenue, in the Field's Corner district of Dorchester. We have been accustomed to ask for special excavations in order to examine the service pipes of this district, and last year we reported the notes that we made on several of these investigations. So evident is it now, however, that the lead services in this locality are being seriously injured that we no longer think it worth while to have special excavations made beyond those that are necessitated by the frequent cases of bursted pipes.

Since our last report, breaks at the following places have occurred, all of which cases we attribute to electrolysis :

June 8, 1900, No. 1294 Dorchester avenue, between Linden and Leedsdale streets.

July 20, No. 208 Neponset avenue, opposite Boutwell avenue.

January 25, 1901, No. 117 Park street.

February 21, Neponset avenue and King street.

March 1, No. 105 Park street.

March 7, Park street, near corner of Geneva avenue.

These vary in distance from the power station from one-half mile to one mile. Within these limits we should expect to find corrosion on almost any of the services.

Believing that the mains themselves were probably affected, we had six excavations made on July 23, 1900, all on Park street, between Adams street and Dorchester avenue, the short section where the services have suffered the most injury. We found, however, almost no corrosion beyond the usual surface rust, except in one instance. There, on the bell of the joint, the graphite formation could be shaved to a slight depth with a knife. Although the mains have, so far as we know, shown no marked corrosion, we should be surprised to learn that they are absolutely free. We happen to have found almost no signs of electrolytic

injury to mains in that district, but of course this does not prove that the injury is not going on in sections adjacent to where we made our inspections.

In other localities there have been cases of bursting pipes, but only in the case, at the corner of Harrison avenue and Massachusetts avenue, do we attribute the trouble to electrolysis. Along here we had four excavations made in order to examine the conditions. Only slight traces of corrosion were found.

There was during the winter a break on Clinton street, another on Atlantic avenue, corner Summer street, another on Causeway street, between Friend and Portland streets, none of which do we think were due to electrolysis, unless it took place years ago, for the voltmeter readings have for several years past indicated that in these localities the current flows on to the pipes and not off of them, and there is no indication that the bursting was due to corrosion at the joints.

General Summary of Voltmeter Readings for Years 1899 and 1900.

STREET RAILWAYS.	1900.		1899.			
			Spring.		Autumn.	
Boston Elevated Railway...	Max. +3.5	- 6	+4	- 4	+3	-6
	Av. +0.8	- 1.1	+0.9	- 0.9	+0.18	-1
Other roads.....	Max. +6	-12	+6	-10	+6	-6
	Av. +1.9	- 3.3	+1.5	- 1.4	+1.3	-1.8
All combined.....	Max. +6	-12	+6	-10	+6	-6
	Av. +1.1	- 1.3	+1	- 1	+1	-1.1

Yours very truly,

(Signed) STONE & WEBSTER.

IN GENERAL.

During the year there has been an unusual number of breaks in large mains. On August 8 the easterly 30-inch main in Tremont street broke about 70 feet south of Boylston street. At this point the original line of main pipe, laid about 1850, had been supported during the construction of the subway, the excavation for which extended 17 feet below the pipe; when uncovered a rigid support in brickwork was found a few feet south of the break, while northerly no rigid support was found for a distance of 24 feet. The pipe was of normal thickness, and the iron of excellent quality. This main was uncovered for a distance of 220 feet between Boylston and Eliot streets, its position in relation to the subway being practically the same as at the point

where the break occurred; the supports were found to vary in character, at one point the pipe being in immediate danger of failing, the old supports were removed and new ones of a uniform character were built under the pipe for the entire distance. A further examination of the conditions under this main should be made still further south of Tremont street. The easterly 30-inch main on Tremont street again broke on September 5, opposite Hollis street. At this point the pipe had been supported during the construction of the subway below it; when the broken pipe was removed it was found to have rested directly upon a short upright piece of 8 x 8-inch spruce, imbedded in cement at the point where the break occurred. Between October 19 and December 5 six breaks occurred in the 48-inch main which runs from Chestnut Hill reservoir to Boylston street, Brookline, connecting with the three large mains from the Brookline reservoir; this main was laid in 1868, and up to the time of the first break had been connected directly with Chestnut Hill reservoir, and consequently had been subjected to a head not exceeding 15 pounds; the immediate cause of the development of the breaks was an increased pressure on the low service of the City furnished by the Metropolitan Water Board, which increase, the main, if of normal condition, should have easily withstood. The broken pieces indicated in two or three cases at least the existence of old cracks, and in most of the samples tested the iron was found to be of inferior quality. The line is now in service under a pressure of over 30 pounds. The following is a statement of tests made of pieces cut from broken pipes:

Tests of 48-inch Pipe Broken in Clinton Road, Brookline, October 19 to December 5, 1900.

	First Break.	Second Break.	Third Break.	Fourth Break.	Fifth Break.
Graphitic Carbon.....	3.06 per cent.	2.62 per cent.	2.19 per cent.	2.70 per cent.	2.69 per cent.
Combined Carbon	0.08 "	0.06 "	0.99 "	0.14 "	0.30 "
Silicon	4.18 "	4.127 "	2.32 "	2.64 "	1.96 "
Sulphur.....	0.027 "	0.051 "	0.076 "	0.098 "	0.082 "
Phosphorus	0.90 "	0.928 "	1.27 "	1.083 "	1.33 "
Manganese.....	0.93 "	0.86 "	0.34 "	0.34 "	0.24 "
Tensile strength per square inch (1).....	12,730 pounds.	13,080 pounds.	15,100 pounds.	17,111 pounds.	16,106 pounds.
" " " (2).....	15,980 "	13,490 "	14,770 "	17,419 "	16,488 "
Transverse strength for 26-in. x 2-in. x 1-in. (1)	1,549 lbs.def., .307 in.	1,745 lbs.def., .394 in.	1,816 lbs.def., .054 in.	2,090 lbs.def., .545 in.	1,950 lbs.def., .418 in.
" " " " (2).....	1,271 "	1,585 "	1,561 "	2,080 "	1,865 "
" " " " (3).....	910 "	1,455 "	-	-	.442 "
" " " " (4).....	1,600 "	1,470 "	-	-	-

In view of the dangerous and uncertain conditions existing at Shirley Gut it was decided to lay a second main under the Gut to Deer Island. The new line was located about 350 feet west of the 8-inch line laid in 1896, at a point where the channel is 150 feet wide at low water mark. After a trench had been dredged across the channel a line of 12-inch flexible pipe, which had previously been made up on rolls on the Winthrop shore, was hauled across the channel by steam power, the friction of the pipe on the bottom of the channel being reduced by empty oil casks attached to the pipe. The trench was then refilled. A test showed the line to be practically tight. The pipe used, shown in cut on opposite page, was of special design; the fact that the lead must remain in the bell, whatever position the pipe assumes, is believed to be of advantage in sub-aqueous work.

On May 10 the Metropolitan Water Board made a taking of the lines which formerly supplied East Boston and Chelsea, from the Boston side of the Mystic draw, through Chelsea and across Chelsea creek to East Boston, a total length of about 10,600 feet of pipe. A 24-inch siphon is now being laid under the Mystic river by the Metropolitan Board, they having removed the old 24-inch and 30-inch siphons, both of which were broken.

Respectfully submitted,

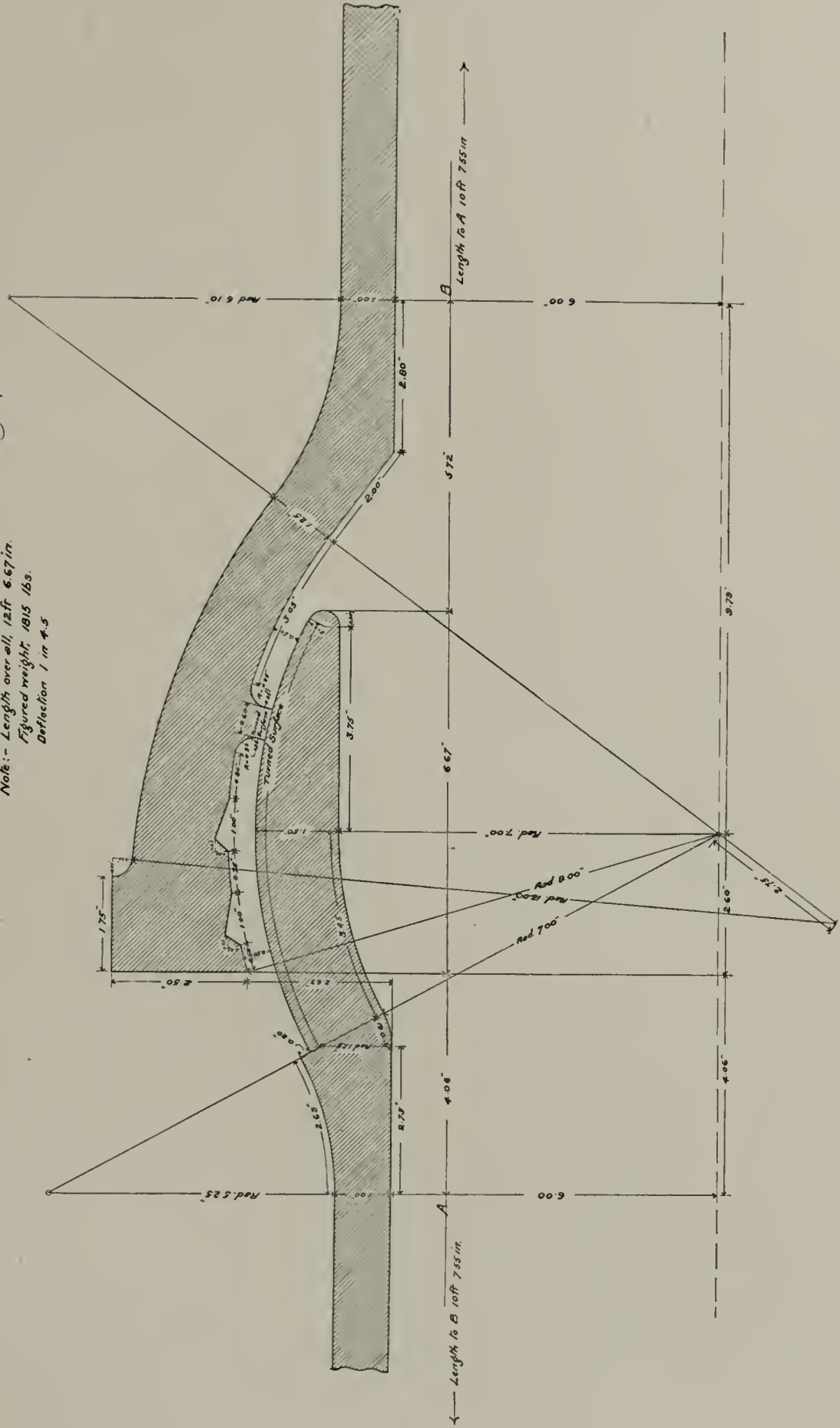
WILLIAM JACKSON,
City Engineer.

SECTION OF
TWELVE INCH FLEXIBLE PIPE

FEBRUARY, 1899.

William Jackson
1899

Note:-- Length over all, 12 ft 6.67 in.
Figured weight, 1815 lbs.
Deflection 1 in 4.5



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HAULING 12-INCH FLEXIBLE PIPE ACROSS SHIRLEY GUT.

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HAULING 12-INCH FLEXIBLE PIPE ACROSS SHIRLEY GUT.

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HAULING 12-INCH FLEXIBLE PIPE ACROSS SHIRLEY GUT.

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GENERAL STATISTICS.

BOSTON WATER DEPARTMENT.

Daily average amount used through meters, gallons	15,760,400
Number of services	87,525
Number of meters	4,445
Number of motors	120
Number of elevators	545
Length of supply and distributing mains, in miles	713.4
Number of public fire hydrants in use	7,321
Yearly revenue from annual water rates	\$1,295,719 91
Yearly revenue from metered water	\$901,250 20
Percentage of total revenue from metered water	41.0
Yearly expense of maintenance	\$507,163.96

Monthly Rainfall in Inches During 1900 in Various Places in Eastern Massachusetts.

PLACES.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Framingham	4.64	8.82	6.24	2.48	4.22	2.91	2.24	2.25	3.41	3.78	5.37	2.54	48.90
Dam 4, Ashland	4.94	9.12	6.17	2.43	4.06	3.27	2.50	2.45	3.31	3.65	5.97	2.81	50.68
Cordaville	5.24	9.78	6.67	2.83	4.72	3.01	2.25	2.21	3.48	4.18	5.90	3.10	53.37
Lake Cochituate	4.96	8.59	5.82	2.24	4.77	3.02	2.65	3.58	3.84	3.65	5.52	2.67	51.31
Chestnut Hill Reservoir	4.38	8.74	5.03	2.24	5.41	2.90	2.68	2.15	4.12	3.79	5.30	2.85	49.59
Spot Pond	4.95	7.44	4.81	1.96	4.98	2.26	1.87	2.18	3.58	3.50	4.59	2.29	44.41
Gibson street, Dorchester	3.37	7.17	5.09	2.10	5.82	2.11	2.67	2.07	4.49	4.26	5.89	2.09	47.13
Cambridge Observatory	4.71	8.18	4.86	1.60	4.93	2.47	2.24	2.76	4.54	3.71	5.24	2.48	47.72
Waltham, Boston Manufacturing Company	4.92	8.00	5.23	2.28	4.78	2.70	2.52	2.20	4.97	4.13	5.26	2.78	49.77
Lowell, Locks and Canals Company	5.45	10.12	6.57	2.16	3.78	2.71	2.65	3.73	4.20	3.32	6.18	3.01	53.88
Average of above ten places	4.756	8.596	5.649	2.232	4.747	2.736	2.427	2.558	3.994	3.797	5.522	2.662	49.676

Rainfall in Inches and Hundredths at Gibson-street Pipe Yard, Dorchester, for the Year 1900.

1900.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....	0.58									0.02		0.02
2.....			1.85									
3.....				0.48	2.58	0.04	0.08			0.04		
4.....					0.10	0.53						
5.....		0.89										1.45
6.....			0.23									0.03
7.....			0.20				0.04			0.06		
8.....	0.10				0.10			0.32			0.18	
9.....		0.60			0.34	0.04		0.04		0.90	0.14	
10.....	0.03									1.30	0.51	
11.....										0.30		
12.....	1.02									0.12		
13.....		1.64		0.62			0.50	0.08				
14.....								0.28		0.65		
15.....	0.10				0.38	0.07				0.10		
16.....	0.10		2.29					0.50	1.30		0.01	0.02
17.....								0.39	0.35	0.13	0.04	
18.....		0.50			0.03				2.15			
19.....			0.02	0.65	1.07		0.02	0.10	0.07		0.03	
20.....	0.23		0.20		1.12				0.08		0.20	
21.....	0.10								0.08		0.12	
22.....					0.10				0.16		0.04	
23.....		2.03		0.19		1.11					0.09	
24.....				0.15			0.01	0.01	0.03	0.09		0.19
25.....		1.51									0.38	
26.....	0.34						1.62				2.48	
27.....			0.23				0.40				0.82	
28.....								0.35		0.10	0.05	
29.....	0.77					0.30			0.07	0.45		0.08
30.....				0.01		0.02			0.20		0.80	
31.....			0.07									0.30
Totals...	3.37	7.17	5.09	2.10	5.82	2.11	2.67	2.07	4.49	4.26	5.89	2.09

Total rainfall during the year, 47.13 inches.

*Rainfall in Inches and Hundredths at Albany-street Pipe Yard, Boston,
for the Year 1900.*

1900.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.....	0.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 .....	.....	.....	1.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
3.....	.....	.....	.....	0.40	.....	0.50	.....	.....	.....	.....	.....	.....
4.....	.....	.....	.....	.....	2.50	.....	.....	.....	.....	.....	.....	.....
5.....	.....	0.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.40
6.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7.....	.....	.....	0.45	.....	.....	.....	.....	0.27	.....	.....	.....	.....
8.....	0.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9 .....	.....	0.50	.....	.....	0.20	.....	.....	.....	.....	.....	0.48	.....
10.....	0.03	.....	.....	.....	.....	.....	.....	0.15	.....	.....	.....	.....
11.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.42	.....	.....
12.....	1.30	.....	.....	.....	.....	.....	0.50	.....	.....	.....	.....	.....
13.....	0.13	1.50	.....	0.52	.....	.....	.....	.....	.....	.....	.....	.....
14.....	.....	.....	.....	.....	.....	.....	.....	0.32	.....	0.45	.....	.....
15.....	.....	.....	.....	.....	.....	.....	.....	0.25	.....	.....	.....	.....
16.....	0.03	.....	2.05	.....	0.32	.....	.....	0.51	1.34	0.05	.....	.....
17.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18.....	.....	0.60	.....	.....	.....	.....	0.29	.....	2.65	.....	.....	.....
19.....	.....	.....	.....	0.45	.....	.....	.....	0.20	.....	.....	.....	.....
20 .....	.....	.....	0.15	.....	2.02	.....	.....	.....	.....	.....	0.18	.....
21.....	0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	.....	.....	.....
23.....	.....	1.80	.....	.....	.....	0.90	.....	.....	.....	.....	0.08	.....
24... ..	.....	.....	.....	0.39	.....	.....	.....	.....	.....	.....	.....	0.23
25.....	.....	1.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	0.48	.....	.....	.....	.....	.....	1.80	.....	.....	.....	.....	.....
27.....	.....	.....	0.18	.....	.....	.....	.....	.....	.....	.....	2.80	.....
28.....	.....	.....	.....	.....	.....	0.53	.....	.....	.....	0.45	.....	0.04
29.....	0.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30.....	.....	.....	.....	.....	.....	.....	.....	.....	0.25	.....	1.21	.....
31.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.49
Totals..	4.10	6.40	4.53	1.76	5.04	1.93	2.59	1.70	4.74	3.37	4.75	2.16

Total rainfall during the year, 43.07 inches.

Average Maximum and Minimum Monthly Heights, in Feet, Above City Base, to which Water Rose at Different Stations on the Boston Water Works.

1900.	Boston Common.		Engine-house No. 8, Salem Street.		Engine-house No. 7, East Street.		Engine-house No. 38, Congress Street, So. Boston.		Engine-house No. 2, Fourth and O Streets, So. Boston.		710 Albany Street.		Engine-house No. 20, Walnut Street, Dorchester.		Engine-house No. 32, Bunker Hill Street, Charlestown.		Engine-house No. 9, Paris Street, East Boston.		City Hall, High Service.		Engine-house No. 24, Quincy Street, Roxbury, High Service.		Engine-house No. 19, Norfolk Street, Dorchester.		Engine-house No. 29, Chestnut Hill Ave., Brighton.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January ...	.....	.. ...	119.3	102.7	120.3	103.6	120.7	104.5	120.5	102.9	125.4	109.8	120.8	103.9	133.5	125.4	149.3	135.8	252.5	246.0	249.6	244.1	251.8	246.0	255.1	252.4
February...	.....	.....	120.6	105.1	120.4	104.7	120.0	105.2	120.3	102.6	125.0	110.4	.....	.....	132.9	124.8	152.8	135.6	252.8	246.5	249.8	244.1	251.7	246.5	255.3	252.9
March.....	126.1	111.2	122.2	104.8	123.5	108.5	123.6	107.8	121.8	103.8	125.4	110.1	123.0	104.6	133.4	124.8	148.3	136.0	252.5	246.0	250.3	243.5	252.0	245.3	255.6	253.0
April.....	128.4	112.7	124.1	105.6	127.1	110.5	126.2	108.7	125.2	105.8	128.0	111.9	125.2	107.9	134.3	125.3	153.4	140.7	251.6	245.5	249.5	241.6	251.2	243.7	255.5	251.8
May	128.8	111.7	126.0	106.6	127.5	109.6	126.2	108.7	125.5	104.7	127.9	111.9	126.2	108.2	133.4	124.2	154.5	141.3	251.0	245.1	249.3	240.9	251.6	243.1	252.8	249.2
June	128.8	109.1	127.0	107.0	127.5	107.9	126.6	106.7	125.9	102.7	128.3	110.1	127.1	107.0	134.6	122.9	152.7	137.3	249.7	241.0	248.4	238.5	250.8	241.9	254.3	250.7
July.....	127.6	108.7	126.8	104.1	126.2	106.4	126.9	106.0	125.6	102.2	127.0	107.2	125.5	104.8	133.1	120.9	155.7	136.4	248.8	238.8	248.0	237.2	250.0	240.2	254.8	250.0
August....	127.5	110.6	127.3	107.8	126.2	108.6	127.3	105.0	125.8	104.5	127.3	110.7	126.1	108.0	133.3	122.6	152.7	136.1	246.4	234.7	245.6	235.3	248.9	238.5	253.7	250.5
September.	127.3	108.6	127.2	104.9	125.4	106.7	125.3	105.4	125.4	102.8	126.8	108.8	126.6	105.9	132.7	120.6	155.3	137.7	247.8	238.2	247.8	238.1	250.0	241.2	254.1	250.8
October ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	160.4	143.7	.....	.....	246.5	237.9	249.3	241.4	.....	.....
November.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	164.0	147.2	252.0	244.3	250.8	243.7	251.1	244.4	255.5	252.5
December.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	152.0	138.8	250.7	246.0	250.4	240.9	250.0	241.6	255.0	252.2

Statement showing Total Number of Employees, with Salaries or Wages, on February 1, 1900, and on January 31, 1901.

	SALARY OR WAGES.	February 1, 1900.	January 31, 1901.
Commissioner.....	\$5,000 per annum.....	1	1
Assistant Commissioners.....	\$3,000 " "	1	2
Superintendents	\$3,000 " "	2	2
Assistant Superintendents.....	\$2,000 " "	4	2
Clerks	\$2,000 and over per annum.....	4	4
Clerks	Under \$2,000 per annum.....	32	30
Messengers	\$1,000 and under per annum.....	5	5
Engineers.....	\$1,400 to \$2,400 per annum.....	3	3
Inspectors	\$1,100 to \$1,800 " "	29	30
Electrician	\$1,200 per annum.....		1
Pattern maker.....	\$1,300 " "		1
Yard master.....	\$1,800 " "	1	1
Yard man.....	\$1,100 " "	1	1
Master machinist.....	\$1,600 " "	1	1
Foremen	\$1,200 to \$2,000 per annum.....	12	13
Foremen	\$3.00 to \$3.50 per diem.....	13	13
Mechanics	\$2.00 to \$3.25 " "	28	27
Skilled laborers.....	\$2.10 to \$3.00 " "	201	201
Laborers	\$2.00 per diem... ..	436	405
Boys.....	\$1.25 to \$1.75 per diem.....	14	10
		788	753

¹BOSTON WATER BOARD.

ORGANIZED JULY 31, 1876.

TIMOTHY T. SAWYER, from July 31, 1876, to May 5, 1879; and from May 1, 1882, to May 4, 1883.

LEONARD R. CUTTER, from July 31, 1876, to May 4, 1883.²

ALBERT STANWOOD, from July 31, 1876, to May 7, 1883.²

FRANCIS THOMPSON, from May 5, 1879, to May 1, 1882.²

WILLIAM A. SIMMONS, from May 7, 1883, to August 18, 1885.

GEORGE M. HOBBS, from May 4, 1883, to May 4, 1885.

JOHN G. BLAKE, from May 4, 1883, to August 18, 1885.

WILLIAM B. SMART, from May 4, 1885, to March 18, 1889.

HORACE T. ROCKWELL, from August 25, 1885, to April 25, 1888.

THOMAS F. DOHERTY, from August 26, 1885, to May 5, 1890; and from May 4, 1891, to July 1, 1895.

ROBERT GRANT, from April 25, 1888, to July 18, 1893.

PHILIP J. DOHERTY, from March 18, 1889, to May 4, 1891.

JOHN W. LEIGHTON, from May 5, 1890, to July 1, 1895.²

WILLIAM S. McNARY, from August 15, 1893, to November 5, 1894.

CHARLES W. SMITH, from January 23, 1895, to July 1, 1895.

¹WATER COMMISSIONERS.

CHARLES W. SMITH, from July 1, 1895, to January 20, 1896.³

JEREMIAH J. MCCARTHY (Acting), from January 20 to February 1, 1896.

JOHN R. MURPHY, from February 1, 1896, to October 17, 1899.³

BENJAMIN W. WELLS (Acting), from October 17, 1899, to December 28, 1899.

AUGUSTUS P. MARTIN, from December 28, 1899, to present time.

Assistant Water Commissioners.

JEREMIAH J. MCCARTHY, from July 1, 1895, to January 20, 1896.

EDWARD C. ELLIS, from February 17, 1896, to November 1, 1900.

MELVIN P. FREEMAN, from February 7, 1900, to present time.

WILLIAM H. OAKES, from November 1, 1900, to present time.

Chief Clerk and Secretary.

WALTER E. SWAN.

General Superintendent Income Division.

JOS. H. CALDWELL.

Superintendent Distribution Division.

WILLIAM J. WELCH.

City Engineer and Engineer of the Department.

WILLIAM JACKSON.

¹ Under Chap. 449 of the Acts of 1895, the Boston Water Board was abolished, and the Water-Supply and Water-Income Departments consolidated and placed under the charge of one Water Commissioner.

² Deceased.

³ Resigned.

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ANNUAL REPORT
OF THE
WIRE DEPARTMENT
FOR THE YEAR 1900-1901.

OFFICE OF THE COMMISSIONER OF WIRES,
11 WAREHAM STREET, BOSTON, February 1, 1901.

HON. THOMAS N. HART,

Mayor of the City of Boston:

SIR, — I herewith submit the Annual Report showing the appropriation and expenditure, also work performed by the Wire Department from February 1, 1900, to January 31, 1901.

January 1, 1901, found the Department in its new and modern quarters, at 11 Wareham street. The object gained by this removal is twofold. First, in obtaining quarters of sufficient size to enable the Department to do its work properly. Second, that it might establish a laboratory, which seemed absolutely essential, for the proper conduct of its business, so that all electrical devices, conductors, etc., which are to be installed for use in this City for the generating, transmission, and utilization of electric energy may be tested. The results of these tests will show whether or not said devices, etc., are sufficient or insufficient to perform the work required of them.

During the year a partial reorganization of the Department was effected, which proved beneficial to all concerned. Also a new set of Rules and Requirements for doing the work over which this Department has supervision, has been compiled, and will be ready for distribution on March 1.

I desire to thank the employees for their co-operation to increase the efficiency of the Department.

Respectfully submitted,

WILLIAM H. LOTT,

Commissioner of Wires.

EXTERIOR DIVISION.

OVERHEAD WORK.

The streets from which poles, overhead wires, cables, conductors, etc., were ordered to be removed during the year 1900 were Harrison avenue, between Dover and Northampton streets; Dover street, between Tremont and Albany streets; Wareham street, between Malden and Albany streets; Concord street, between Albany street and Shawmut avenue; and Northampton street, between Albany street and Shawmut avenue; a total distance of 10,615 feet, exceeding the amount (two miles) prescribed in Chapter 249, Acts of 1898, by 56 feet. The companies operating wires on and over these streets are actively engaged in removing the remaining wires, and when this is completed, the poles will be removed. Exclusive of the Elevated Railway Company poles, used for the support of trolley wires, there are standing in the streets named above 129 poles, occupied by the Boston Electric Light Company, New England Telephone and Telegraph Company, Suburban Light and Power Company, Fire Department, Fire Alarm Branch, and Police Signal Service, and others. There were many wires crossing the streets from buildings in addition to those on poles, the whole amounting to about 500,000 feet, much of which has already been removed. The feeders and returns of the Boston Elevated Railway Company on Harrison avenue and Northampton street, amounting to about 75,000 feet, are being removed at the present time.

The old style of roof construction is rapidly disappearing in the business section of the City, and it is seldom that a fixture is placed upon a roof except by companies operating high-potential wires. In evidence of this, I would say that in 1896, on the roofs of buildings bounded by Devonshire, Water, Congress, and State streets there were sixty-four fixtures, single and double, supporting 954 wires. These wires were anywhere from one foot to twenty-five feet above the roofs, so that in many places it was difficult to cross the roof without being in contact with a number of wires at one and the same time. To-day, there is but one fixture in this block, and ten or twelve wires, which are sufficiently high to permit of the free use of the roof. The system adopted by the Low Tension Wire Association is to trunk their wires along the walls of buildings, and not cross over the roofs. This style of construction is less expensive and less objectionable to property owners. The companies also avoid the



EDISON ELECTRIC ILLUMINATING CO, CONDUIT, ATLANTIC AVE., OPP. PEARL.

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responsibility and care of the roofs. The expense of keeping roofs on which fixtures are located in repair has always been very heavy, and a burden which the companies are striving to relieve themselves of as fast as possible. This year, as in the past, abandoned wires and fixtures have been found almost daily with no means of identification and are removed by the Wire Department.

In the City proper, north of Dover and Berkeley streets, in 1894, I estimate the number of fixtures on roofs to have been about 14,000, while to-day less than ten per cent. (10%) of that number remains, in consequence of which but little inconvenience is experienced from wires by firemen and others, whose business calls them on to the roofs of buildings.

The liability of accident from fires is growing less daily, due largely to the absence of fixtures, many of them supporting a large number of wires, and to the improvements made in construction of every description.

The most noticeable improvements in construction have been made in the business section of the City, or that portion north of Dover street, where very much of the time of the inspectors has been required. Owing to the limited number of inspectors it has been found necessary to omit from time to time the general inspection in the outlying districts, in consequence of which, no doubt, much of it will be found to be in an unsatisfactory condition.

The result of fuse inspection has been more than satisfactory, it seldom being found that an installation has been made without the line being suitably protected. This is a safeguard, and a great improvement over the conditions at the time the Wire Department was created, as inspection at that time showed that the absence of suitable protection devices was the rule rather than the exception. Wires are occasionally found that bear no tag or mark by which the ownership can be ascertained. In each case the line is traced to determine the owner, who, if found, is informed as to the requirements of this Department, which generally meets with a prompt and cheerful compliance. If the owner cannot be determined, the wire, which in such cases is usually dead, is removed by the Wire Department. Very little, if any, of this wire is of value.

Photographs showing the condition of overhead construction in and over streets have been taken from time to time, prints of which I submit with this report. I also submit a number showing the underground construction for the past year.

It has been found necessary during the past year to detail inspectors from the Overhead Division to assist the underground inspectors, owing to the very large increase in this character of work, and on this account the overhead inspection at times has been unavoidably crippled. On account of the probable increase in underground construction the coming season, and in order to give the overhead construction the attention which it requires, additional inspectors are necessary to successfully carry out the provisions of the law.

Occasionally a wire may be found over a street in the prescribed district, which in most cases is where a temporary location has been granted pending arrangements to provide means of communication in some other way. The Low Tension Wire Association have been given temporary cable locations over a few of the streets; but same are being removed as fast as underground services are completed.

It has been found necessary to cut and remove a number of wires of one company on account of the dangerous condition in which the wires were allowed to remain. This was only done after repeated and ineffectual attempts to have defects corrected. Since then a reconstruction of the entire overhead system of this company has been commenced, and work is progressing in an approved manner.

During the past year a marked improvement has been made in the pole line construction, fewer accidents having occurred to workmen required to handle the wires than in any previous year since the Wire Department was created. This is no doubt due in a large measure to the supervision by the Wire Department of all new work and improvements in old construction made by the companies at the request of the Wire Department.

The City has been divided into districts, and an inspector assigned to and held responsible for the condition of the wires in this district. This proves to have been a great help in keeping the construction in good condition, as the inspectors early familiarize themselves with the condition of the streets. The inspectors are required to go over their entire district once in four or five weeks, and consequently they are quick to notice any changes that may have been made in the wiring since their previous inspection. Any defects noted are reported and the interested parties at once notified from this office of the defect, which notice in most cases receive prompt attention, the Wire Department being notified of the action taken on same, and it is found usually that repairs have been made in a satisfactory and approved manner.



MASSACHUSETTS T. & T. CO. CONDUIT ON FRANKLIN STREET.

Plate No. 2.

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The matter of approving pole locations which would be satisfactory to the petitioner, and at the same time offer as little objection to the abutters on the street as possible has been given a great deal of attention by this Department, and I am pleased to say that the system adopted seems to meet all the requirements, at the same time benefiting the interested parties.

When a company is desirous of setting poles on any of the public streets, avenues, etc., an employee of this Department accompanies their engineer, and together the least objectionable locations are selected, the exact location being noted, and a record of same kept in this office. After the petition of the company to the Board of Aldermen, has been granted and the poles set, a re-measurement is taken to determine if any changes have been made, as for unforeseen reasons it is at times found necessary to make changes, varying in distance from one to ten feet, due frequently to ledges, water, gas, and other pipes, or for other reasons which were not apparent at the time of the first survey. This arrangement seems to be most satisfactory, and fewer complaints have been received from citizens regarding poles on the streets, which, in the outlying districts, is a necessity, and will be for some time.

Every effort is being made to separate the low from the high-potential wires so as to reduce the danger to linemen who are obliged, owing to the nature of their work, to come in contact with the same. In order to successfully carry this out it has been necessary to erect two lines of poles, one on each side of some of the streets ; when this cannot be done, a separation is required when it is possible, of forty inches. I will add that the officials of the leading companies, realizing the importance of this step, have rendered this Department every assistance possible to carry this out to a successful conclusion.

A survey is being made to determine the exact location of every pole in the limits of the City used for the support of telegraph, telephone, fire-alarm, police, electric light, and other wires. This is a difficult task and is one which has never before been attempted to my knowledge. It is estimated that there are about 20,000 poles standing in the streets at the present time, not including the poles of the Boston Elevated Railway Company, used for the support of trolley wires. Of the location of these poles there is no correct record. This work is being carefully done and a watchful care kept of removals, renewals, changes, etc., and a record of the same kept on atlases and books provided for

this purpose, so that it will be possible at a moment's notice to give the ownership, location, and condition of any pole of which information is desired ; a thing very necessary on account of the growing number of inquiries which are made almost daily.

I submit with this report plans and photographs showing some of the streets of the City on which there are poles supporting heavy lines of wire. With others, a very noticeable change and improvement has been made on Washington street, at Forest Hills, request having been made by some of the companies for additional pole locations owing to the widening of the street at this point. On looking over the ground it was found that there were forty poles standing in a space of five hundred feet or less. Upon consultation with the several companies owning the poles, each using a type of their own, they readily agreed to combine and accept the plan suggested by this Department, so that to-day where there were forty poles, owned by five or six different companies, there are now but sixteen poles owned by two companies which accommodate the wires of all, and while the service of these companies has in no way been impaired, the appearance of the street has been very much improved.

There are many poles now standing in the streets which have been abandoned by the owners, so far as their wires are concerned, but are occupied by other companies ; consequently the owners cannot remove them, and yet they are required to keep them in a safe and satisfactory condition. This seems unjust, and some means should be devised whereby the responsibility should be assumed by some one of the companies occupying the poles when the original owner is desirous of surrendering them to another.

Iron lamp-posts, which have for many years been in use, to support arc-lights for street lighting, are being replaced by approved wooden posts. This style of post is being used by the Brookline Gas-Light Company and the Charlestown Gas and Electric Company in their respective districts, so that it is reasonable to expect that in a short time none of the old pattern will be in use in any part of the City. The Boston Electric Light Company were the first to use the new pattern posts, and the absence of accidents to linemen and trimmers in their employ shows it to have been a wise move.

In the streets in which the elevated structure has been built by the Boston Elevated Railway Company, the structure has been utilized for the carrying of heavy lines of feeder wires required for the operation of the surface car lines. The feeder wires have been placed on the structure with a

CITY OF BOSTON

WIRE DEPARTMENT

IMPROVEMENTS SUGGESTED BY THE
COMMISSIONER OF WIRES
AND CARRIED OUT BY THE SEVERAL COMPANIES

AT
FOREST HILLS.

INDUCTION

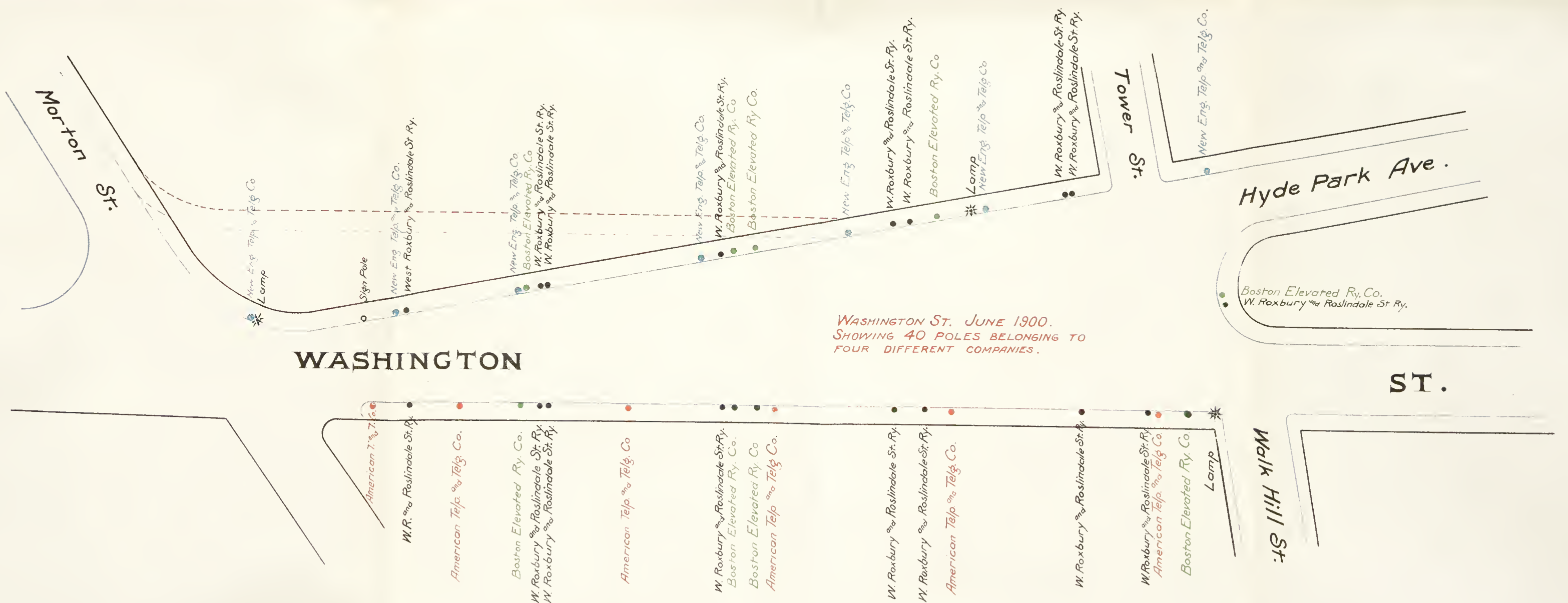
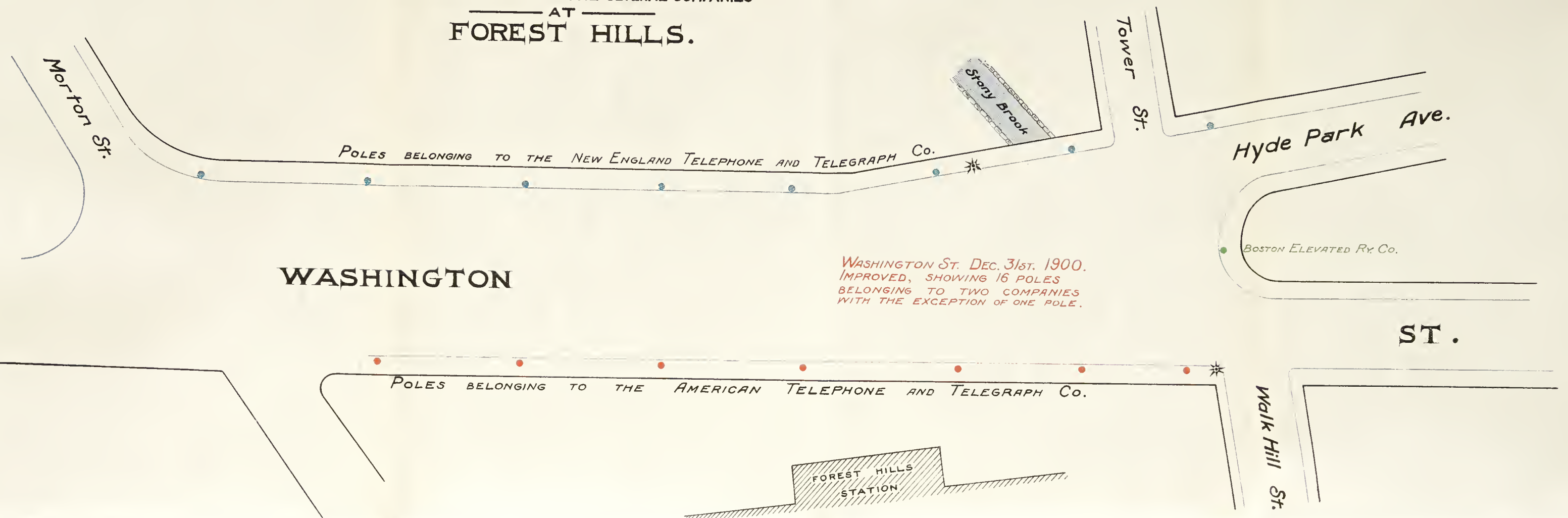
RELATING TO THE NEW ENGLAND TELEPHONE AND

NOTION

NOTES RELATING TO THE AMERICAN TEST

CITY OF BOSTON WIRE DEPARTMENT

IMPROVEMENTS SUGGESTED BY THE
— COMMISSIONER OF WIRES —
AND CARRIED OUT BY THE SEVERAL COMPANIES
AT
FOREST HILLS.



view of securing the safest construction possible in relation to the structure and such other wires and fixtures as are used for the operation of both elevated and surface cars, *i.e.*, trolley wires, third rails and third-rail feeders.

The feeder wires are mostly 1,000,000 c.m. in size, and their insulation consists of a covering of three layers of braiding filled with insulating compound.

Owing to the changing type of construction used for the elevated structure, two distinct methods of supporting the wires had to be used.

Where plate cross-girders were used three (3) inch holes were drilled on six centres in the middle of the cross-girder, and so situated that the wires would come in the space between the two pair of longitudinal girders. Thus, while at a considerable inconvenience for stringing, the wires would be placed upon the structure where they would be the least obtrusive, and so contribute to the general neatness of the whole construction.

Where the arched cross-girder construction obtained, the only available space for carrying such a heavy line of feeders was immediately over the middle of the arch and between two pairs of longitudinal girders for the tracks, but at a level slightly higher than the tops of these girders.

In the plate-girder construction the feeders are threaded through the three-inch holes, the girders averaging nearly fifty feet apart. At each girder where the wires pass through, and outside of the space occupied by the holes for the feeders, on both sides of the plate-girder, vertical pieces of hard pine are bolted securely to the plate. Then, to these vertical wood pieces are fastened 3-inch by 3-inch cross-arms placed in proper relation to the horizontal row of holes. These cross-arms alternate on each side of the cross-girders with each successive horizontal row of holes, this being necessary to give working room between the cross-arms for the proper placing of the insulating supports, it being remembered that the centres of holes are only six inches apart.

The wood cross-arms are used to give an electrically safer support for the insulator which carries the wires, and at the same time to give a support which will carry the wire through the three-inch holes in the plate girder, clear and independent of the sides of the hole.

A supporting porcelain insulator is screwed fast to the top of the cross-arm and so placed that it holds the wire in the centre of the hole in the girder, thus precluding the danger of the wire coming in contact with the ironwork, or sides of

the hole. As an additional safeguard, a hardwood sleeve, split and about five inches in length and treated with an insulating compound, is fastened about the feeder wire at the point where the wire passes through the three-inch hole, thus avoiding any chance for abrasion to the insulation of the wire even should any mishap occur to the main support.

To avoid putting any other but a vertical strain upon the insulating supports just described, in order to hold the wire tight and keep slack out of the sections as much as possible, dependence must be had upon the method of anchoring the wire at the ends and at long intervals in the line.

To meet the severe strain which a 1,000,000 c.m. wire would necessarily put upon any kind of insulating anchor appliance, an entirely safe insulator and strong anchor appliance is made of two properly shaped blocks of lignum vitæ wood, held in tandem with iron straps, which are bolted together through the centres of the wood. The feeder wire is wound around in the groove of one of the lignum vitæ blocks and there fastened, and in a similar manner a heavy galvanized iron guy-wire, or specially placed wrought-iron clamp is placed in the groove of the other block and this connected with a clamp or other fixture held securely to the cross-girder.

A double insulation of the very highest strength is thus secured.

The constructions used for the support of the wires on the arched cross-girder of the structure is in effect, and it might be said, in fact, the same as is in common practice on heavy pole line feeder construction, *i.e.*, wood cross-arms, locust-pins, and petticoated glass insulators of the "Jumbo" type, the only difference being in the method of holding the cross-arms in place.

There are a large number of wires over some of the principal streets of the city, suspended during the late war, for the purpose of supporting flags. These now are seldom used, if at all, for the purpose for which they were originally intended, and probably are never examined to determine their condition. Consequently there are possibilities of serious results, in case of their falling on to trolley wires or on to the streets. These should soon be removed by the owners, who have been directed so to do. When it is found advisable to hang flags or anything of a like nature over the streets I think a hemp or manila rope would answer this purpose, and in case of its falling there would be but little danger of serious results.



BOSTON ELEVATED STRUCTURE, WASHINGTON STREET, AT W. NEWTON STREET.

(Showing method of stringing cables).

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BOSTON ELEVATED STRUCTURE, NORTHAMPTON STREET STATION.

(Showing method of anchoring cables.)

Plate No. 5.

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UNDERGROUND WORK.

Although the district prescribed for the removal of overhead wires during the year 1900 was much smaller than any previous year, yet there was more underground work done than ever before in one year.

The falling off in cables is due to the fact that the Boston Electric Light Company during the year 1899 connected up their L Street Station drawing cable amounting to over 1,200,000 feet.

While the accumulation of illuminating and other explosive gases cannot be wholly prevented, yet with the present system of inspection, and the prompt action of the Gas Company in seeking for and stopping the leaks when notified of their existence, through the presence of gas in the man-holes there was but one explosion during the past year. There have been eighteen (18) such explosions since the organization of the Wire Department; the greatest number in any one year being six (6), and one year there was none.

From the ducts surrounded by concrete, and the conductors contained therein, little trouble need be apprehended; but where the iron ducts for service connections and the solid tube system are laid in the earth, without the protection of concrete, they are exposed to and receive injuries that often lead to results that may at times prove serious.

Great care is exercised by this Department in the supervision of underground electrical construction to provide ample separation between the ducts and gas, water, and other pipes that are met with underground, and no difficulty is experienced in doing so; but as this Department can exercise no control over the operations of the employees of other departments and private contractors engaged in excavating the streets, injury to this class of conduits and the conductors they contain, and contact between them and other conducting material, are too frequent for the public good.

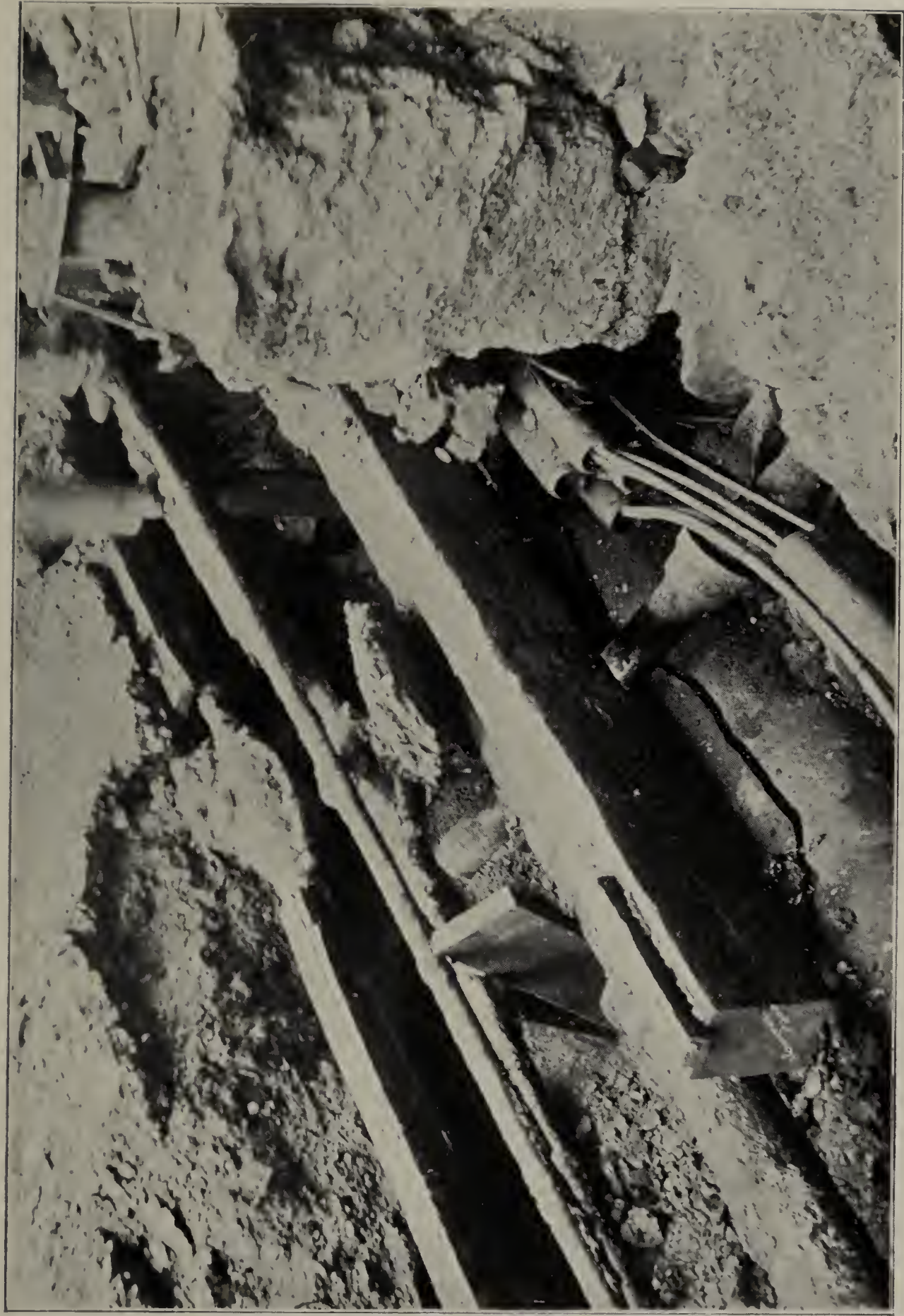
The solid tube system depends very largely on the earth for its stability and reliability, and the earth should not be removed from under any portion of it if it can be avoided; but as it cannot be, the greatest care should be taken to give it proper support and to maintain its alignment; but this is not always done. The tubes of this system are twenty (20) feet in length, and are connected together by cast-iron junction boxes that are halved longitudinally and held together by screws; they contain flexible conductors that join those in each consecutive tube together and are filled with an insulating compound. As the tubes are not screwed into these

boxes, should the earth be removed from under them for any considerable distance each side of them unless rigidly supported in some way the tubes pull out, the conductors are severed or are brought in contact with the tube or box turning them into a conductor, and should the tube at any point be in contact with gas or water pipes current would be, and in a great many cases has been, carried into buildings causing more or less damage. Should the service ducts containing high potential wires be brought in contact with the water or gas pipes in like manner, and should the insulation of the wires fail, in addition to the danger from fire there would be that of injury to persons as well.

Since the organization of this Department there have been twelve (12) cases where a dangerous amount of current has been carried into buildings over the pipes supplying them with illuminating gas, four (4) of which occurred during the year 1900. There have been two cases where holes have been burned through the gas mains in the street where they were in contact with the tubes of the Edison system. There have been no cases reported where the electrical ducts and tubes have been found in contact with water pipes, which is due, no doubt, to the fact that the latter are laid below the frost line, while gas pipes and electrical conduits and ducts are not, except in rare cases when it is necessary to avoid obstructions, so the danger resulting from contact between water pipes and electrical conduits is very small. Nevertheless, the danger exists, and it is one in a great measure beyond the control of the Wire Department; but as the fires from this cause have almost steadily increased since 1894, thirty-three per cent. (33%) of the whole having occurred during 1900, it can at least sound a note of warning as follows:

All persons engaged in excavating the streets who wilfully or negligently cause any underground electrical duct to rest upon or against a gas, water, or metallic drain pipe, endangers the lives and property of the people of the City of Boston, and they should be held strictly responsible for their treatment of all such ducts and conduits by ordinance or act of the Legislature, and it seems to me that the time has arrived for more stringent regulation of the methods of digging around, above and below the electrical conduits laid under the surface of the streets.

Of the fact that fires are most likely to occur from this cause there is no doubt, as it is well known to this Department that the system of conduits are in electrical contact



DAMAGED CONDUITS, CORNER BOYLSTON AND TREMONT STREETS.

Plate No. 3.

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with the gas-pipe systems, but at what points, and how many, it is unable to state. It may now be asked, Is there any means of preventing fires from this cause that the owners and occupants of buildings can avail themselves of? In reply it can be said that there are three: An insulator placed in the service gas-pipe near the point where it enters the building; or perfect separation of the gas from the water and sewer pipes; or connecting the water, gas, and sewer pipes together electrically where they enter at the same point; of these three plans the first is decidedly the best, for one, if not both of the other two would not prevent the charging of the pipes to a dangerous potential above that of the earth that might cause serious injury to persons.

EXTERIOR DIVISION.

Table showing the Overhead and Underground Work from February 1, 1900, to January 31, 1901.

Permits granted by the Board of Aldermen to set poles	222
Permits granted by the Board of Aldermen to remove poles	65
Number of poles set	1,116
Number of poles removed	215
Wire removed by Wire Department, feet	272,150
Fixtures removed by Wire Department	535
Defect notices sent out	2,147
Defects included in these notices	5,041
Defects corrected	4,270
Number of fuse inspections	1,842
Notices of work received	1,542
Amount of wire removed by owners as reported, feet	20,160

Permits to set and remove poles were granted to the following companies:

Boston Fire Department.	American Telephone and Telegraph Company.
Boston Electric Light Company.	New England Telephone and Telegraph Company.
Brookline Gas Light Company.	Charlestown Gas and Electric Company.
Postal Telegraph Cable Company.	Boston Elevated Railway Company.

Underground Construction.

Year	1900	.	.	.	167,766	feet of conduit construction.
	1899	.	.	.	123,566	" " "
	Increase	.	.		44,200	" " "
Year	1900	.	.	.	851,104	feet of duct laid.
	1899	.	.	.	765,484	" "
	Increase	.	.		85,620	" "
Year	1899	.	.	.	1,613,871	feet of cable drawn.
	1900	.	.	.	784,488	" " "
	Decrease	.	.		829,383	" " "
Year	1900	.	.	.	582	manholes built.
	1899	.	.	.	535	" "
	Increase	.	.		47	" "
Year	1900	.	.	.	1,035	services connected.
	1899	.	.	.	895	" "
	Increase	.	.		140	" "

The following is a list of companies and individuals doing underground work during the year 1900.

For Electric Light and Power Purposes. (High Tension.)

Boston Electric Light Company.
 Boston Elevated Railway Company.
 Brookline Gaslight Company.
 Boston Terminal Company.
 Boston and Maine Railroad Company.
 Edison Electric Illuminating Company.
 Mt. Hope Cemetery.
 Park Department (City of Boston).
 Public Institutions (City of Boston).
 Church Green Electric Light and Power Company.
 Suburban Light and Power Company.

For Telephone, Telegraph, Signalling and other Purposes.

New England Telephone and Telegraph Company.
 Massachusetts Telephone and Telegraph Company.
 Fire Alarm Branch (Boston Fire Department).
 Police Signal Service (Boston Police Department).
 Boston Low Tension Wire Association.



HARRISON AVENUE, SOUTH FROM DOVER STREET.

(Underground District, 1900.)

Plate No. 6.

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Boston Automatic Fire Alarm Company.
 Boston District Messenger Company.
 Mutual District Messenger Company.
 Holmes Electric Protective Company.
 Postal Telegraph Cable Company.
 American Telephone and Telegraph Company.
 Western Union Telegraph Company.
 Park Department (City of Boston).
 New England Women's Hospital.
 Mixer Brothers.
 R. H. White Company.
 D. Webster King.

New conduits have been laid in all of the streets prescribed by the Commissioner of Wires, in which wires shall be placed underground during the year 1900, viz. :

Street	From	To
Harrison ave.	Dover	Northampton
Dover	Albany	Tremont
E. and W. Concord	Albany	Shawmut ave.
Wareham	Albany	Malden
Northampton	Albany	Shawmut ave.

In that portion of the City north of Dover street, or the original underground district, one hundred thirteen (113) streets have been opened during the year, by the different companies, for the purpose of building new conduits, or enlarging their old ones. Business having increased so much during the year as to make this necessary. Besides these, something like one hundred twenty-two (122) different streets have been opened for laying new conduits in the rest of the City and suburbs, not included in these two districts.

The Department has electrically approved fourteen hundred thirty-two (1,432) permits for underground work during the year, and thirty-two hundred eighty-six inspections have been made on the same.

The summary of the work of all the companies, both high and low tension, for the year, is as follows:

167,766 feet of conduct completed.
 851,104 feet of duct laid.
 784,488 feet of cable drawn in ducts.
 1,035 service connections made.
 582 manholes built.
 24 distribution boxes set.

The following is a descriptive report of the underground work of the various companies for the year ending January 31, 1901.

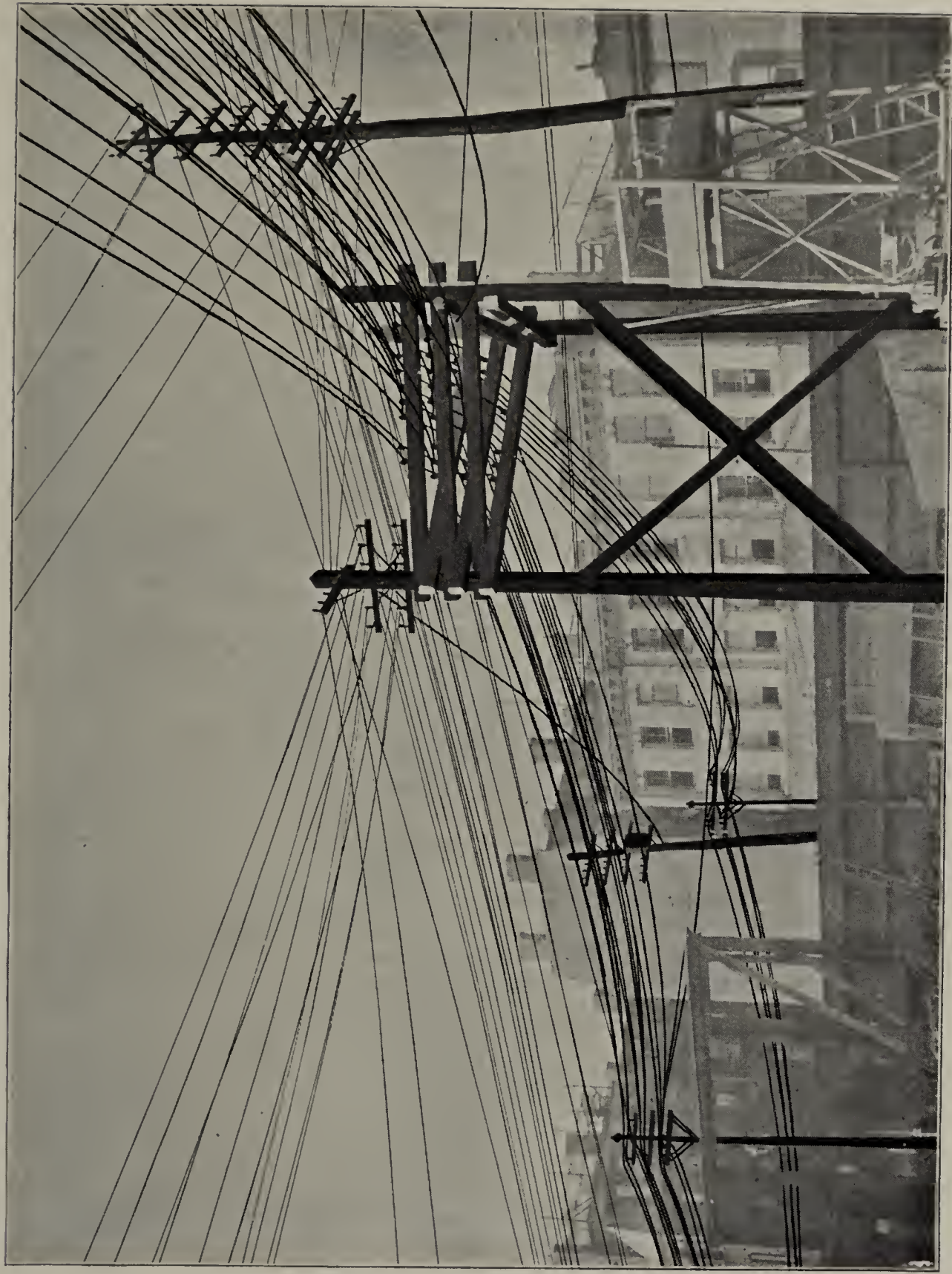
The Boston Electric Light Company, during the year 1900, has laid new conduits in the following streets in the City limits:

Street	From	To	No. of Ducts	Type
Adams sq.	Cornhill	Devonshire	1	Clay
Beacon	Massachusetts ave.	Commonwealth ave.	4	Cement lined
Brattle	Franklin	Washington	4	"
Bennett	Washington	Ash	2	"
Berkeley	Boylston	Newbury	4	"
Bowdoin	Cambridge	No. 18	1	Clay
Broadway ext.	Curve	Albany	4	"
Carver	Eliot	Townsend pl.	1	Cement lined
Central whf.	Atlantic ave.	Sears	2	"
Columbus ave.	Morgan	Massachusetts ave.	4	Cement lined
Columbia rd.	Marine pk.	Sixth	2	"
Charles	Charlesbank		1	Wooden
Chambers	Ashland	No. 133	1	Clay
Concord	Albany	Shawmut ave.	2-4	Cement lined
Dartmouth	Columbus ave.	Harwich	4	"
Dorchester ave.	Summer	Congress	12	"
East	Atlantic ave.	East-st. pl.	2	"
Edinboro'	Beach	No. 32	2	"
Edinboro'	Essex	No. 10	2	"
Fairfield	Boylston	Commonwealth ave.	2	Cement lined
Harrison ave.	Dover	Northampton	4	"
Ipswich	Boylston	Landsdowne	4	"
Kingston	Essex	Bedford	2	"
LaGrange	Washington	Tamworth	2	"
Lincoln	Kneeland	Beach	2	"
Lincoln	Bedford	No. 27	2	"
Marine pk.	South Boston		1	Wooden
Mountford	Beacon	No. 34	1	Cement lined
Nassau	Ash	Harrison ave.	1	Cement lined
Northampton	Albany	Shawmut ave.	6	"
Newton (E.)	Harrison ave.	Private way	1	Clay
Oliver pl.	Essex	No. 14 Oliver pl.	1	"
Oxford pl.	Harrison ave.	No. 4 Oxford pl.	1	"
Private way	Aberdeen	Audubon way	1-2	"
State	Chatham row	Commercial	4	Cement lined
Summer-st. ext.	A	B	1	"
Summer-st. ext.	Fargo	B	2	"
Tremont	LaGrange	Boylston	5	"
Utica	Utica pl.	Beach	2	Clay
Utica	Kneeland	Utica pl.	1	Cement lined
Waltham	East of Harrison ave.		2	Clay
Warren ave.	Berkeley		2	Cement lined
Wareham	Harrison	Albany	2	"
Winthrop sq.	No. 15		2	Clay

This Company has used paper and rubber insulated cables in sizes — Nos. 0-00-0000 and 6.

The work for the year comprised :

- 30,674 feet of conduit completed.
- 107,355 feet of duct laid.
- 339,005 feet of cable drawn.
- 302 services connected.
- 166 manholes built.
- 70 underground transformers installed.



FEED WIRES FROM BOSTON ELEVATED RAILWAY STATION, HARRISON AVENUE.

(Underground District, 1900.)

Plate No. 7.

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The Boston Elevated Railway Company during the year 1900 has laid new conduits in the following streets in the City limits :

Street	From	To	No. of Ducts	Type
Battery	Hanover	Commercial	6	Clay
Beacon	Chestnut Hill ave.	Brookline line	6	"
Beacon	St. Mary's	Aberdeen	8	"
Broadway, ext.	Curve	Albany	5	Wrought iron
Chestnut Hill ave.	Englewood ave.	Brookline line	10	Clay
Huntington ave.	Heath	Brookline line	8	"
Newton (E.)	Washington	Harrison ave.	3	"
Shawmut ave.	W. Springfield (S.)		8	"
Springfield (W.)	Washington	Shawmut ave.	24	"

The feeder cables drawn in during the year are paper, fibre, and rubber insulated ; sizes, 1,000,000 and 500,000 circular mills.

For the return system, both weather-proof, insulated, and bare cables are employed.

Terminal poles have been established at the following places :

Opposite No. 896 Huntington avenue, near Brookline line.

Shawmut avenue, between West Springfield street and Massachusetts avenue.

Elevated structure, Washington, opposite West Springfield street.

Franklin street, between Braintree and Lincoln streets, Allston.

Braintree street, near Franklin street, Allston.

The work for the year comprised :

3,710 feet of conduit completed.
31,860 feet of duct laid.
58,887 feet of cable drawn.
10 services connected.
18 manholes built.

Boston Terminal Company has laid no new conduits during the year, but have drawn into their old ducts 11,657 feet of rubber insulated cable, sizes six and twelve, one and two conductors.

Brookline Gas-Light Company has laid new conduit in the following street within the City limits :

Street	From	To	No. of Ducts	Type
Jersey	Boylston-st. ext.	Audubon road	4	Cement-lined

This Company has used rubber insulated single conductor cables, sizes Nos. 2, 4, and 6.

The work for the year comprised :

860 feet of conduit completed.
 4,995 feet of duct laid.
 9,709 feet of cable drawn.
 9 services connected.
 5 manholes built.

Mt. Hope Cemetery, during the year, has opened the following streets for the purpose of building new conduits :

Street	To	No. of Ducts	Type
Walk Hill	Superintendent's house, Mt. Hope Cemetery	1	Clay
Walk Hill	Insane Department, Pierce Farm	1	"

The work for the year comprised :

1,345 feet of conduit completed.
 1,339 feet of duct laid.
 3,272 feet of cable drawn.
 2 services connected.
 2 manholes built.

Park Department (City of Boston) has opened the following streets for the purpose of laying new conduits :

Street	From	To	No. of Ducts	Type
Morton	Franklin Park	Superintendent's house	1	Wrought iron
Canterbury	Franklin Park	Greenhouse	1	"

The work for the year comprised:

1,470 feet of conduit completed.
 1,452 feet of duct laid.
 42,549 feet of cable drawn.
 6 manholes built.

Public Institutions (City of Boston) have done some work of this nature at Austin and Pierce farms, Dorchester, and at Deer Island, Boston Harbor.

The work for the year comprised:

1,687 feet of conduit completed.
 1,824 feet of duct laid.
 600 feet of cable drawn.
 2 services connected.
 7 manholes built.

EDISON ELECTRIC ILLUMINATING COMPANY.

Drawing-in system.

This company has laid new conduits in the following streets in the city limits during the year:

Street	From	To	No. of ducts	Type
A	Congress	Private way east 12 and 24		Clay
Atlantic ave.	Pearl	Dewey sq.	30	"
Atlantic ave.	at Edison station	90 and 120		"
Belvidere	St. Cecilia	Mass. ave.	6	"
Boylston	Bumstead ct.	Head pl.	30	"
Boylston	Tremont		6	"
Bumstead ct.	Edison station	Boylston	8	"
Congress	A	Congress-st. bridge	12	"
Dewey sq.	Summer	Atlantic ave.	30	"
Joy	Cambridge	Myrtle	6	"
Kneeland	Lincoln	Albany	9	"
Lincoln	Kneeland	Summer	9	"
Mass. ave.	Belvidere	Norway	6	"
St. Cecilia	Scotia	Belvidere	6	"
Summer	Washington	Chauncy	12	"
Summer	Chauncy	Dewey sq.	30	"
Tremont	opp. Mason		6	"
Winter	Washington	Tremont	12	"

The cables drawn in the above conduits are rubber insulated, and of the following sizes: Positive and negative are of 1,000,000 circular mills, and the neutral of 350,000 circular mills. The pressure wire cables are rubber insulated and contain three conductors.

The work for the year comprised:

8,724 feet of conduit completed.
125,831 feet of duct laid.
40,327 feet of cable drawn.
32 manholes built.

SOLID SYSTEM.

The following streets have been opened for the purpose of laying three-wire Edison tubing:

Street	From	To	Kind
Albany	Bristol	Private way, No. 200	Main
Ashburton pl.	Somerset	Bowdoin	" 350 "
Atlantic ave.	Beach	No. 17	" 350 "
Avon	Washington	Chauncy	" 350 "
Bay State road	Raleigh	Deerfield	" 350 "
Bay State road	Deerfield	Granby	" 350 "
Beacon	Park	Tremont	" 350 "
Beach	Albany	Lincoln	" 350 "
Bedford	Washington	Chauncy	" 350 "

Street	From	To	Kind
Belvidere	St. Cecilia	Massachu- setts ave. No. 350	Main
Brookline ave.	Commonwealth ave.	No. 7	" 350 "
Bristol	Albany	Fire Head- quarters	" 200 "
Canton (W.)	Washington	Shawmut ave.	" 350 "
Court	Pemberton sq.	Court sq.	" 350 "
Church	Tremont	Melrose	" 350 "
Dedham (W.)	Washington	Tremont	" 350 "
Derne	Bowdoin	Hancock	" 350 "
East	South of Engine House	No. 7	" 200 "
Fulton pl.		North	" 350 "
Grove (N.)	No. 10	City	" 200 "
		Morgue	" 350 "
Harrison ave.	Malden	Bristol	" 200 "
Hereford	Beacon	Boylston Nos.	and 350 "
Hemmenway	Boylston	Norway	No. 350 "
Huntington ave.	Exeter	No. 66	" 350 "
Huntington ave.	Opp. Hotel Oxford		" 200 "
Irvington	Huntington ave.	Private way	" 200 "
Joy	Myrtle	Mt. Vernon	" 350 "
Lincoln	Kneeland	Summer	" 350 "
Milk	India	Pearl	" 350 "
Myrtle	Hancock	S. Russell	" 350 "
Newbury	Mass. ave.	Hereford	" 350 "
Newton (W.)	Opp. No. 185		" 350 "
Norway	Mass. ave.	Hemmen- way	" 350 "
Pemberton sq.	Somerset	Tremont	" 350 "
Salem	Parmenter	Engine House	" 200 "
		No. 8	" 350 "
School	Tremont	City Hall ave.	" 350 "
Shawmut ave.	W. Canton	Chemical House	" 350 "
		No. 4.	" 350 "
Somerset	Ashburton pl.	Beacon	" 350 "
South	Kneeland	Summer	" 350 "
Summer	Washington	Devonshire	" 350 "
Van Rensselaer pl.	Tremont	Rear No. 98	" 200 "
		Boylston	" 350 "
Warren ave.	Clarendon	Engine House	" 200 "
		No. 22	" 350 "
Washington	Winter	Summer	" 350 "
Washington	Pelham	W. Canton	" 350 "
Winter	Tremont	Winter pl.	" 350 "

The work for the year comprised :

22,604 feet of main and feeder tubing.
 11,532 feet of service tube.
 283 service connections.
 24 catch and feeder boxes.



HARRISON AVENUE, NORTH FROM NORTHAMPTON STREET.

(Underground District, 1900.)

Plate No. 8.

LIBRARY
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The Church Green Electric Light and Power Company has during the year done very little underground work, only having made one service connection of fourteen feet, and drawn eighteen feet of rubber insulated No. 4 cable into same.

The Suburban Light and Power Company has laid seventy-eight feet of pipe, and made but one service connection during the year; no cable drawn.

The Boston & Maine Railroad has done very little underground work this year, only having drawn fifty-five feet of rubber insulated cable into the old ducts, size No. 4, two conductors.

The New England Women's Hospital has laid five hundred twenty feet of new pipe during the year. No cable drawn.

The New England Telephone and Telegraph Company has laid new conduits in the following streets in the City limits:

Street	From	To	No. of Ducts	Type
Aberdeen	Beacon	Private way	2	Cement lined
Ashland (W. R.)	Washington	Brandon	4	Wooden
Arch	Summer	Franklin	15	Clay
Bay State road	Raleigh	Deerfield	1	Cable
Belvidere	W. Newton	Private way	2	Wrought iron
Bennington (E.B.)	Saratoga	Parkway	4	Wooden
Bennington (E.B.)	Porter	Parkway	5	Clay
Brandon (W.R.)	South	Roberts	4	Wooden
Brookline ave.	Beacon	Jersey	4	Clay
Brookline	Private way	Harrison ave.	2	"
Brookline ave.	B. & A. R.R. Bdge.		4	Wrought iron
Canton (W.)	Newland	Washington	2	Cement lined
Canton (E.)	Mystic	Washington	2	"
Cambridge	Bowdoin sq.	W. B. Bridge		
		8-12-14-15		Clay
Central ave. (Dor.)	River	Bridge	2	Wooden
Centre (W. R.)	South	LaGrange	4	"
Chandler	Berkeley	Cazenove	2	Clay
Chardon	Green	N. E. T. & T. Co. off	20	Cement lined
Cook (Chs'n)	Medford	Bunker Hill	3	Clay
Congress	No. 293	Gilbert pl.	10	"
Columbus ave.	Yarmouth	Dartmouth	2	"
Columbus ave.	Berwick park	Holyoke	2	"
Columbus sq.	W. Newton, S. of	Massachusetts ave.	3	"
Columbus ave.	Berwick park	Pembroke	2	"
Columbia road	O	Second	1	Wooden
Concord (E.)	Harrison ave.	Albany	3	Clay
Dedham (E.)	Harrison ave.	Albany	2	"
Dorchester ave.	Mt. Washington av.		1	Wrought iron
Dudley	Alexander	Columbia road	4	Clay
Elm Hill av. (Rox.)	Warren	Seaver	3	"
Exeter	Marlboro'	Public Alley No. 418	2	"
Falmouth	St. Paul	Massachusetts ave.	2	"
Farnsworth	Congress	Rear of No. 338	2	"
Franklin	Pearl	Arch		
		3, 9, 15, 16, 18, 20		"
Gainsboro'	Huntington ave.	St. Stephens	2	"
Greenwich park	Columbus ave.	Private way	2	"

Street	From	To	No. of Ducts	Type
Harvard	Harrison ave.	Albany	2	Clay
Harvard (Dor.)	Washington	Blue Hill ave.	3	"
Harrison av. (Rox)	Dudley	Warren	6	"
Harrison ave.	Waltham	Malden	4	Cement lined
Holyoke	Columbus ave.	Private way	2	Clay
Hyde Park ave. (W. R.)	Tower	Hyde Pk. Line	6	Wooden
Jersey	Brookline ave.	Boylston	4	Clay
Jersey	Brookline ave.	Audubon road	4	"
Kneeland	South	Utica	3	"
Lincoln	South	Beach	1	Wrought iron
Malden	Washington	Mystic	2	"
Malden	Wareham	Albany	2	Clay
Marlboro'	Massachusetts av.	Charlesgate (E.)	3	"
Mystic	Malden	Norwich	2	Wrought iron
Newton (W.)	Washington	Newland	2	Clay
Newton (E.)	Harrison ave.	Private way	2	"
Newland	Draper's Lane	Trumbull	2	"
North sq.	Prince	North	1	"
Northampton	Chester pl.	West of Shaw- mut ave.	2	"
Pelham	Washington	Pelham pl.	2	Wooden
Pemberton sq.	Somerset	Court House	4	"
Roberts	Brandon	South	4	"
River	Washington	Central ave.	3	"
Scotia	St. Cecilia	No. 20	2	Clay
Shawmut ave.	Private way	W. Springfield	2	"
Sherborn	Commonwealth av.	Bay State road	3	"
St. Cecilia	Cambria	Scotia	2	"
St. Stephen	Massachusetts ave.	Private way	2	"
St. Germain	Massachusetts ave.	Private way	2	Cement lined
Staniford	Green	South Margin	2	Clay
South	Roberts	Centre	4	Wooden
Summer	at Dorchester ave. Bridge		3	Wrought iron
Springfield	Washington	Shawmut ave.	2	Clay
Tremont	Parker	Huntington ave.	4	"
Van Rensselaer pl.	Tremont		2	"
Washington	Walk Hill	Ashland	5	Wooden
Washington	Adams	Milton line	5	Clay
Washington	Ashland	Poplar	5	Wooden
Washington	Green	Walk Hill	8	Clay
Washington	Park	Eldon	4	"
Washington	LaGrange	Boylston sq.	1	Wrought iron
Yarmouth	Columbus ave.	Private way.	2	Clay

This Company has used lead covered, paper insulated cables of 3, 5, 10, 15, 20, 25, 30, 60, 80, 120, and 180 pairs in the different cables.

The work for the year comprised :

76,397 feet of conduit completed.
 370,936 feet of duct laid.
 196,036 feet of cable drawn.
 265 services connected.
 260 manholes built.



CORNER HARRISON AVENUE AND NORTHAMPTON STREET.

(Underground District, 1900).

Plate No. 9.

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The Massachusetts Telephone and Telegraph Company during the year 1900 has laid new conduits in the following streets in the City limits :

Street	From	To	No. of Ducts	Type
Aldine	Atlantic ave.	Hathaway	1	Wrought iron
Broad	State	Franklin	16-18	Clay
Butler row	State		1	Wrought iron
Channing	Federal	Leather sq.	1	"
Congress	Water	State	1	Clay
Devonshire	Water	Spring lane	1	Wrought iron
Doane	at Broad		2	Clay
Franklin	Federal	India		
		12, 30, 40, 64, 72		"
Franklin	No. 185		10	Wrought iron
Federal ct.	Federal	No. 125 Federal		
		(rear)	2	"
Hawes	Congress	rear of No. 3	2	"
High	Pearl	Hartford pl.	2	"
India	Franklin	Opp. No. 54	2	"
Matthews	Federal	High	1	"
Milk	Pearl	Federal	16	Clay
Milk	Broad	Pearl	24	"
Milton pl.	Federal ct.	No. 12 High		
		(rear)	1	Wrought iron
Pearl	Milk	Atlantic ave.		
		8, 16, 36, 56		Clay
Post Office sq.	Pearl	Water	20	"
Private Way	Doane (rear)		2	Wrought iron
Spring lane	Devonshire	Private way	1	"
State	Washington	Broad	6-12	Clay
Wendell	Pearl	Batterymarch	40	"
Wendell	Batterymarch	No. 75	2	Wrought iron

This Company has used paper insulated cables of 10, 15, 20, 25, 30, 50, 60, 90, 100, 120, and 200 pairs.

The work for the year comprised :

8,060 feet of conduit completed.
 149,993 feet of duct laid.
 17,314 feet of cable drawn.
 70 services connected.
 58 manholes built.

BOSTON LOW TENSION WIRE ASSOCIATION.

This Association consists of the following companies : Boston Automatic Fire Alarm Company, Boston District Messenger Company, Mutual District Messenger Company, Holmes Electric Protective Company, Postal Telegraph-Cable Company, United Telegram Company, Western Union Telegraph Company and Stock Quotation Telegraph Company.

New conduits have been laid by the Association in the following streets in the City limits :

Street	From	To	No. of Ducts	Type
Beacon	Somerset	Mt. Vernon	1	Wrought iron
Dartmouth	Hotel Vendome	Ames Estate	2	"
Dartmouth	Commonwealth ave.	Ames Estate (rear)	1	"
Mt. Vernon	Beacon	State House	1	"

The cable used by this Association has been entered under the separate companies comprising the same.

The work for the year comprised :

1,126 feet of conduit completed.

1,906 feet of duct laid.

9 services connected.

3 manholes built.

Boston Automatic Fire Alarm Company has laid new conduits in the following streets during the year :

Street	From	To	No. of Ducts.	Type
Fayette	Bay	Pleasant	2	Clay
Oliver	Milk	Private Way	1	Wrought iron

This Company has used rubber insulated cable of 2, 12, and 19 conductors.

The work for the year comprised :

858 feet of conduit completed.

2,723 feet of duct laid.

1,534 feet of cable drawn.

8 services connected.

5 manholes built.

Boston District Messenger Company has drawn during the year 4,683 feet of rubber insulated cable of 2, 6, and 10 conductors, into the ducts of the Association.

The Mutual District Messenger Company has drawn during the year 3,380 feet of rubber insulated cable of 4, 5, 6, and 10 conductors, into the ducts of the Association.

The Holmes Electric Protective Company has drawn during the year 2,087 feet of rubber insulated cable of 2, 4, 6, 12, and 16 conductors, into the ducts of the Association.

The Boston Electric Protective Association has been consolidated with the Holmes Electric Protective Company.

The Western Union Telegraph Company has laid new conduits in the following streets during the year :

Street	From	To	No. of Ducts.	Type
St. James ave.	Trinity pl.	Clarendon	1	Wrought iron
Trinity pl.	Stanhope	St. James ave.	1	"
Tufts	Lincoln	South	1	"



CORNER OF HARRISON AVENUE AND DOVER STREET.

(Underground District, 1900.)

Plate No. 10.

LIBRARY
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This Company has used rubber and paper insulated cables of 4, 15, and 80 conductors, a portion of which was drawn into the ducts of the Association.

The work for the year comprised :

1,523 feet of conduit completed.
 1,729 feet of duct laid.
 4,837 feet of cable drawn.
 6 services connected and 5 manholes built.

Postal Telegraph Cable Company has laid new conduits in the following streets during the year :

Street	From	To	No. of Ducts	Type
Congress	Gilbert pl.	Abutment wall	1	Wrought iron
Dartmouth	Hotel Vendome	Hotel Victoria	1	"
Dartmouth	Commonw'lth av.	Dartmouth (rear)	1	"

This Company has used paper-insulated cable of six conductors.

Work for the year comprised :

658 feet of conduit completed.
 2,000 feet of duct laid.
 1,000 feet of cable drawn.
 18 services connected.
 3 manholes built.

Police Signal Service of the Police Department of the City of Boston has laid new conduits in the following streets :

Street	From	To	No. of Ducts	Type
Dedham (E.)	Washington	Harrison ave.	1	Wrought iron
Dover	Shawmut ave.	Fay	1	"
Dover	Harrison ave.	Fay	1	"
Harrison ave. at	Waltham		1	"
Newton (E.)	Harrison ave.	Albany	1	"
Northampton	Harrison ave.	Washington	2-3	"
Shawmut ave.	Dover	Bradford	1	"
Marine park	Castle Island b'dge		1	"

During the year this Department erected seventeen iron posts, each of which supports a signal-box. These are connected with their own conduits or those of the New England Telephone and Telegraph Company. Rubber insulated cable of seven conductors has been used in all the underground work.

The work for the year comprised :

6,595 feet of conduit completed.
 9,315 feet of duct laid.
 30,783 feet of cable drawn.
 20 services connected.
 10 manholes built.

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This Company has used rubber and paper insulated cables of 4, 15, and 80 conductors, a portion of which was drawn into the ducts of the Association.

The work for the year comprised :

1,523 feet of conduit completed.
 1,729 feet of duct laid.
 4,837 feet of cable drawn.
 6 services connected and 5 manholes built.

Postal Telegraph Cable Company has laid new conduits in the following streets during the year :

Street	From	To	No. of Ducts	Type
Congress	Gilbert pl.	Abutment wall	1	Wrought iron
Dartmouth	Hotel Vendome	Hotel Victoria	1	"
Dartmouth	Commonw'lth av.	Dartmouth (rear)	1	"

This Company has used paper-insulated cable of six conductors.

Work for the year comprised :

658 feet of conduit completed.
 2,000 feet of duct laid.
 1,000 feet of cable drawn.
 18 services connected.
 3 manholes built.

Police Signal Service of the Police Department of the City of Boston has laid new conduits in the following streets :

Street	From	To	No. of Ducts	Type
Dedham (E.)	Washington	Harrison ave.	1	Wrought iron
Dover	Shawmut ave.	Fay	1	"
Dover	Harrison ave.	Fay	1	"
Harrison ave. at	Waltham		1	"
Newton (E.)	Harrison ave.	Albany	1	"
Northampton	Harrison ave.	Washington	2-3	"
Shawmut ave.	Dover	Bradford	1	"
Marine park	Castle Island b'dge		1	"

During the year this Department erected seventeen iron posts, each of which supports a signal-box. These are connected with their own conduits or those of the New England Telephone and Telegraph Company. Rubber insulated cable of seven conductors has been used in all the underground work.

The work for the year comprised :

6,595 feet of conduit completed.
 9,315 feet of duct laid.
 30,783 feet of cable drawn.
 20 services connected.
 10 manholes built.

Fire-alarm branch of the Boston Fire Department of the City of Boston has laid new conduits in the following streets:

Street	From	To	No. of Ducts	Type
Albany	Dover	Bristol	2	Wrought iron
Albany	Wareham	East Dedham	1	"
Bristol	Albany	Fire Headquarters	2	"

During the year this Department erected ten lamp-posts, each of which supports a signal-box, and made connections from the same to the underground conduits of the New England Telephone and Telegraph Company. This Department has used rubber-covered cables of 2, 10, 18, and 37 conductors.

Work for the year comprised:

956 feet of conduit completed.
3,038 feet of duct laid.
12,398 feet of cable drawn.
27 services connected.
2 manholes built.

The American Telephone and Telegraph Company has during the year made one service connection of fifteen feet and drawn into their ducts 3,920 feet of paper-insulated cable of one hundred conductors.

Mixer Brothers has drawn into their ducts two hundred forty-two feet of paper-insulated cable, thirty conductors, during the year.

The New England Telegraph Company, Boston Auxiliary Fire Alarm Company, and United Telegram Company have done no work during the year.

R. H. White Company has made a connection this year across Harrison avenue, from their store to a storehouse opposite; forty-five feet of wrought-iron pipe was used for this construction, and a cable about sixty feet in length, made up of eight strands of paper-insulated wire, has been drawn into the same. This is to be used for telephone and signalling purposes.



REAR OF WASHINGTON AND BROMFIELD STREETS.

Plate No. 11.

LIBRARY
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Table Showing the Underground Work of Year 1900.

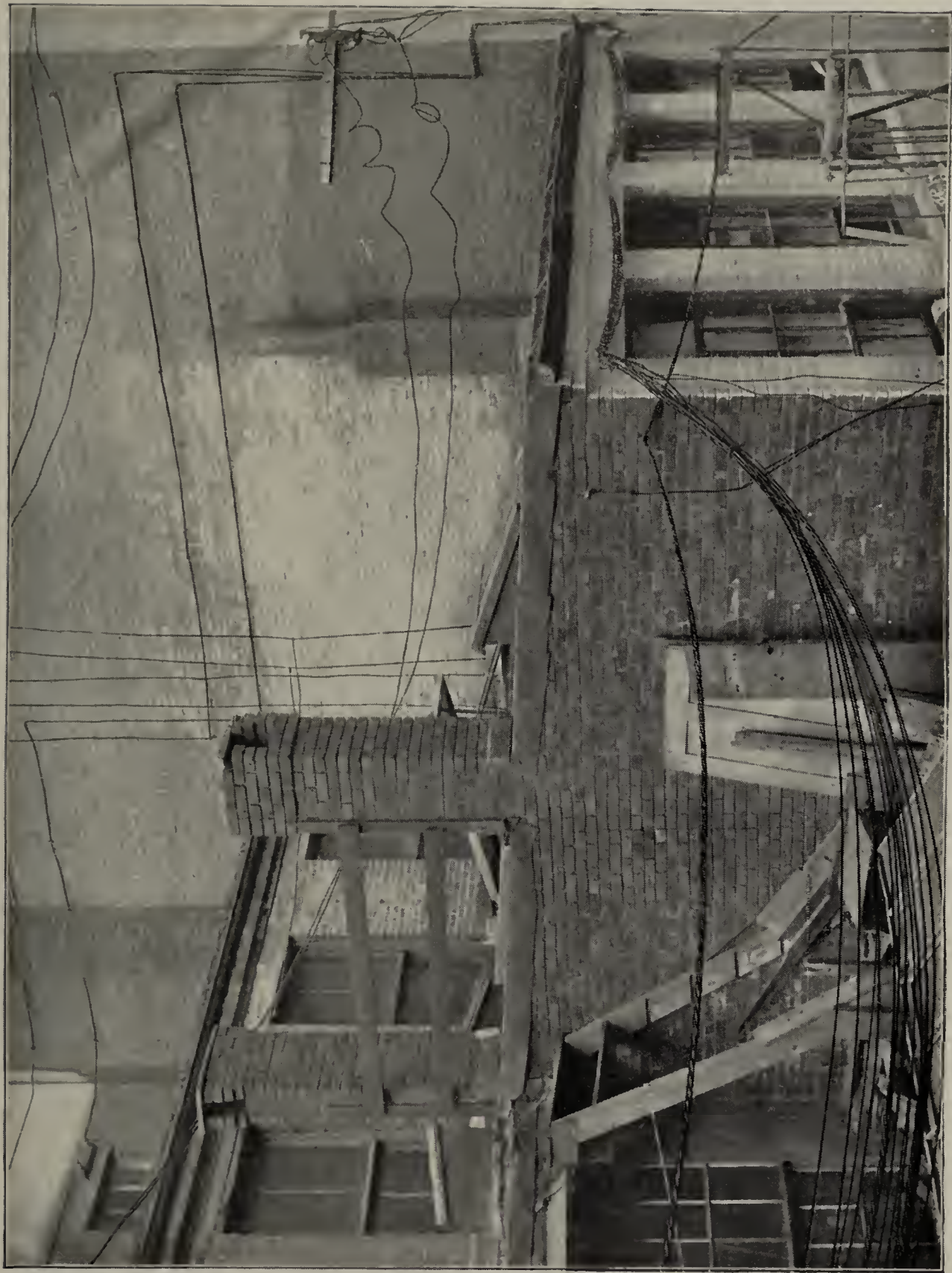
COMPANY.	Feet of Conduit.	Feet of Duct.	Feet of Cable.	Number of Manholes.	Services.
American Telephone & Telegraph Co. ....	.....	15	3,920	.....	1
Boston Electric Light Co.	30,674	107,355	339,005	166	302
Boston Elevated Railway Co.	3,710	31,860	58,887	18	10
Boston Automatic Fire-Alarm Co.	858	2,723	1,534	5	8
Boston Low-Tension Wire Association.	1,126	1,906	.....	3	9
Boston District Messenger Co. ....	.....	.....	4,683	.....	.....
Boston Terminal Co. ....	.....	.....	11,657	.....	.....
Boston & Maine Railroad Co. ....	.....	.....	55	.....	.....
Brookline Gas-Light Co.	860	4,995	9,709	5	9
Church Green Electric Light & Power Co., .....	.....	14	18	.....	1
Edison Electric Illuminating Co.	8,724	125,831	40,327	32	283
Fire-Alarm Branch (B. F. D.) ..	956	3,038	12,398	2	27
Holmes Electric Protective Co. ....	.....	.....	2,087	.....	.....
King, D. Webster .....	.....	.....	135	.....	.....
Massachusetts Telephone & Telegraph Co.,	8,060	149,993	17,314	58	70
New England Telephone & Telegraph Co.,	76,397	370,936	196,036	260	265
Mutual District Messenger Co. ....	.....	.....	3,380	.....	.....
Mixer Brothers. ....	.....	.....	242	.....	.....
Mt. Hope Cemetery	1,345	1,339	3,272	2	2
Park Department (City of Boston).	1,470	1,452	42,549	6	.....
Police Signal Service (B. P. D.)	6,595	9,315	30,783	10	20
Postal Telegraph Cable Co.	658	2,000	1,000	3	18
Public Institutions (City of Boston).	1,687	1,824	600	7	2
Suburban Light & Power Co. ....	.....	78	.....	.....	1
Western Union Telegraph Co.	1,523	1,729	4,837	5	6
White, R. H. Co. ....	.....	45	60	.....	1
New England Women's Hospital.	520	520	.....	.....	.....
Totals.	145,163	816,968	784,488	582	1,035

Main and feeder tube or solid-system distribution boxes are not included in these figures. Amount of tube laid in the year 1900, 34,136 feet, of which 22,603 feet is conduit tube, and there were twenty-four distribution boxes installed.

Table Showing the Underground Electric Service of Boston.

	To 1896.	1896.	1897.	1898.	1899.	1900.
Feet of conduit	646,258	144,280	153,631	116,638	123,566	167,766
Feet of single duct... ..	2,625,247	722,632	740,764	827,879	765,484	851,104
Feet of cable.....	2,452,457	1,088,012	853,794	1,202,914	1,613,871	784,488
Number of manholes	1,849	608	782	557	535	582
Number of services	4,180	1,080	1,103	943	895	1,035
Feet of tube (Edison).....	298,800	37,165	46,481	13,463	17,843	34,136

The Edison Company have 412 distribution boxes in the City, not included in the above, and the Park Department have something like 140 three-and-four-way boxes.



REAR OF WASHINGTON AND BROMFIELD STREETS.

Plate No. 12.

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Table showing the Amount and Distribution of Boston's Electrical Power, January 31, 1898.

COMPANIES.	Total rated Horse Power of Boilers.	Total rated Horse Power of Engines.	Capacity in Incandes- cent Lamps.	Capacity in Arc Lamps.	Number of Motors.	Horse Power of Motors.	Number of Stations.
Boston Elevated Railway Co.....		34,450	24,840	94	3,413	36,530	7
Boston Electric Light Co.....	6,090	9,142	32,700	4,890	791	2,282	6
Edison Electric Illuminating Co....	6,419	8,125	161,840	1,505	1,751	5,901	5
Suburban Light and Power Co.....	895	1,150	7,750	495	140	614	2
Charlestown Gas and Electric Light Co.	625	525	6,000	510	7	25	1
Brookline Gas Light Co.....	875	2,645	8,200	680	21	180	2
Church Green Electric Light and Power Co.....	770	685	6,500	.....	42	210	1
Isolated Plants.....	.....	.....	107,708	1,410	273	2,887	178
Block Plant Co.	273	287	2,300	.....	9	12	1
Totals	15,947	57,009	357,838	9,584	6,447	48,641	203

January 31, 1899.

Boston Elevated Railway Co.....	20,770	34,500	27,700	195	3,447	68,940	7
Boston Electric Light Co.....	14,890	19,142	66,000	8,000	1,189	3,419	7
Edison Electric Illuminating Co....	50,709	8,085	176,430	1,750	1,901	7,026	5
Suburban Light and Power Co.	895	1,150	9,650	495	140	614	2
Charlestown Gas and Electric Light Co.....	770	685	7,400	8	48	270	5
Brookline Gas Light Co.....	1,450	2,400	16,000	680	24	195	1
Church Green Electric Light and Power Co.....	625	525	6,000	510	11	43	1
Isolated Plants.....	.....	.....	112,963	1,456	301	3,465	195
Block Plant Co.	273	287	2,300	.....	9	30	1
Totals	90,382	66,774	424,443	13,094	7,070	84,002	224

January 31, 1900.

Boston Elevated Railway Co.....	20,770	34,500	35,780	198	3,697	73,940	7
Boston Electric Light Co... ..	10,690	10,250	98,300	7,060	1,244	3,536	3
Edison Electric Illuminating Co....	7,381	10,700	207,966	2,074	2,261	8,926	5
Suburban Light and Power Co.....	895	1,150	8,100	455	127	616	2
Charlestown Gas and Electric Light Co.	625	790	7,400	510	48	270	1
Brookline Gas Light Co.....	1,450	2,400	16,000	680	32	245	1
Church Green Electric Light and Power Co.....	770	685	7,500	26	63	630	5
* Isolated Plants .....	.....	.....	116,560	1,793	298	2,697	203
Block Plant Co.....	273	287	2,300	.....	9	30	1
Totals	42,854	60,762	499,906	12,796	7,779	90,890	228

*The capacity of generators for Isolated Plants in K. W., 11,889.25.

January 31, 1901.

Boston Elevated Railway Co.....	20,770	38,500	39,810	237	3,965	79,300	7
Boston Electric Light Co.....	13,900	13,900	143,000	5,200	1,622	4,980	3
Edison Electric Illuminating Co....	7,257	10,700	239,631	2,313	2,411	10,041	6
Suburban Light and Power Co.....	895	1,150	9,800	555	165	720	2
Charlestown Gas and Electric Light Co.	625	790	7,400	510	48	270	1
Brookline Gas Light Co.....	1,450	2,400	16,000	680	36	287	1
Church Green Electric Light and Power Co.....	770	685	7,250	38	67	682	5
* Isolated Plants	57,960	35,015	193,091	3,297	714	6,257	271
Block Plant Co.	273	417	4,900	.....	9	25	1
Totals	103,900	103,557	660,882	12,830	9,037	102,562	297

*The capacity of generators for Isolated Plants in K. W., 18,205.50.

In some of the Isolated Plants the boilers and engines are used for other purposes.

INTERIOR DIVISION.

The duties of this division increased largely over previous years, as may be seen by comparison of the figures of work for the past year with those for the previous years of the Department's existence. This increase is the result of the natural and healthy growth of the use of electricity for light, heat, and power purposes, at the present time there being few buildings erected in which provision is not made for its use.

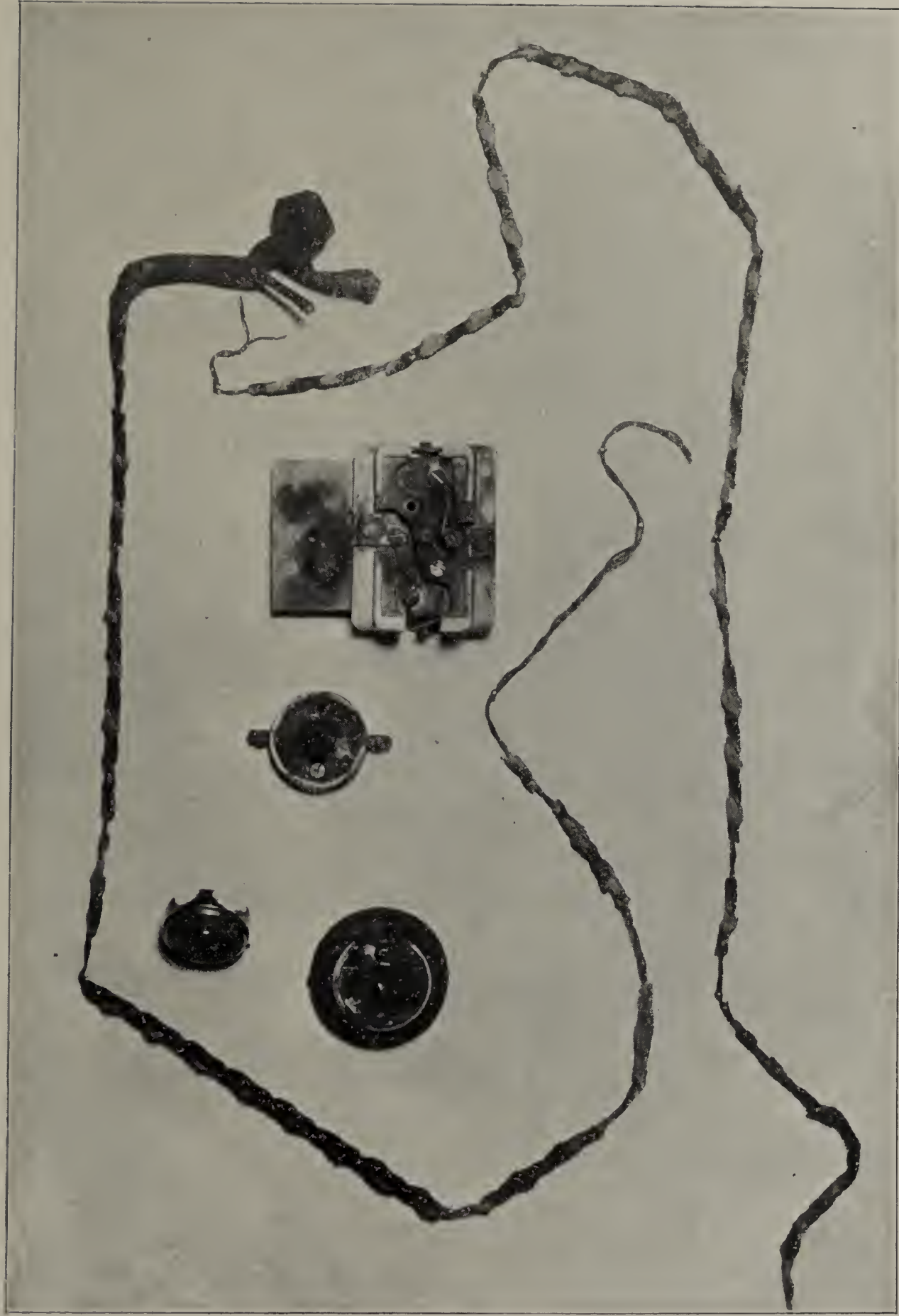
As wiring of new buildings is in almost all cases installed during their construction, upon the completion of which, wiring is concealed from view, it necessitates that a constant and careful supervision of all electrical work shall be made during its installation, that all reasonable precautions may be taken to prevent its becoming, when put into service, a menace to persons or property. Some supervision of electrical work is also necessary until building is completed, even though the work of the electrical contractor is done in a safe and satisfactory manner, as the average workman in lines other than those electrical seems to have no proper appreciation of the possible dangers that may arise from injury to wires or their insulation, or to the running in close proximity to same of pipes or other matter foreign to them, and while work of electrical contractor might be done in a safe and satisfactory manner, some action on the part of employees of other contractors might make wiring, etc., unsafe.

The old wiring installed previous to the organization of the Wire Department, and which is a constant menace to safety, has received more attention than in former years. This was made possible without neglecting new wiring, for the proper installation of which we feel directly responsible, by the addition of one inspector whose time has been entirely devoted to the inspection of old wiring and electric light and power installations, also the making of such electrical tests of same called for in the interests of safety.

As has been customary in the past, special attention has been given the wiring and electrical apparatus of our theatres, halls, and large stores, where many people congregate, and where a serious fire would mean not only the destruction of property but the probable loss of human life.

A source of danger constantly arising in our theatres, and which necessitates weekly and careful inspection in same, is the wiring and electrical apparatus forming a part of the "properties" of the various theatrical companies who fulfil engagements in this City. In many cases this wiring brought by the visiting company is in such a condition that its use is not permitted until extensive changes are made in the same, and in some cases it is so dangerous that it is condemned entirely.

All accidents and fires reported to be due to electrical causes have received the prompt attention of the Department both day and night, and fires for which two or more alarms were given,



SWITCH, ROSETTE, CUTOUT, AND PIECES OF CABLE, TAKEN FROM NO. 105 SUMMER STREET.

Plate No. 13.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

have been attended by representatives of the Department who have rendered such assistance to the Fire Department as the circumstances required, and who also took note of such electrical matters as might be of interest to this Department.

During the year heavy currents of electricity have entered five buildings over service gas pipes, in two of the buildings melting pipes and starting fires, in two buildings causing slight fires, and in one building melting holes in some pipes but doing no other damage.

With the exception of loss from the serious burnout at the First Station of the Edison Electric Illuminating Company, referred to elsewhere in this report, the losses from fires due to electricity were small, as the fires were mainly insignificant in character, there being but one recorded where the insurance loss exceeded \$200, and the majority of the fires caused no insurance loss whatever.

During the year there was no fire which was caused by wiring approved by the Department.

Underground services for buildings have received special attention, an inspector examining all proposed locations for same, and if location selected by the representative of the company installing service was not satisfactory to inspector a new and approved location was decided upon.

There have been eight accidents to persons, four of which had fatal results. The victims of the fatal accidents were all men accustomed to working on high potential circuits, and they met their death while in the performance of their duties.

Of the other four accidents, three of which were not serious, occurred to persons unfamiliar with electrical matters, and the victim of the other accident was a lineman in the employ of the Postal Telegraph Company, who was injured while in the performance of his duty by a shock due to a leakage of current from a high potential wire. Whether he was or was not familiar with high potential circuits is unknown.

Important changes and improvements have been made at the First Station of the Edison Electric Illuminating Company, Head place, in the equipment of the cable vault, where a fire occurred October 11.

The improvements consist chiefly in substituting a system of bare copper conductors for the old cable feeders between the main switchboard and the pits which terminate the duct lines from the street system. The main switchboard is situated in No. 1 Battery Building on the first floor. The feeders were formerly lead downwards from the switchboard to the basement and there divided into two sections, the one running to a small pit situated near the west wall of the basement and the other running at right angles to this towards a pit in the vault under Bumstead court. These cables were each enclosed in an iron-armored conduit, supported on iron brackets. A fair idea of the arrangement will be seen in Plate 22, which is a photograph taken at the Company's Second Station of a similar system.

A practical reconstruction of the entire installation has now taken place.

The pit near the west wall has been greatly enlarged and brought nearer the centre of the room. The ducts are now so arranged that the positive and negative terminals are separated by a brick wall, and the ends of the individual ducts are stepped off and so placed that each terminal lug may be handled with the greatest ease and safety. The vault under Bumstead court has been completely divided in two by a brick wall, so that the cable vault is now entirely distinct from that part containing certain steam auxiliaries, and the old cable pit has practically been discarded. The sides and floor of this vault have also been thoroughly waterproofed.

The conductors between the switchboard and the two terminal pits now number about forty-five pairs. They are each made up of two pieces of $2 \times \frac{1}{4}$ -inch hard-drawn copper separated $\frac{1}{4}$ inch apart. These are supported and secured on large blocks of Alberene stone, boiled in oil, which are in turn mounted on a solid system of iron hangers and brackets.

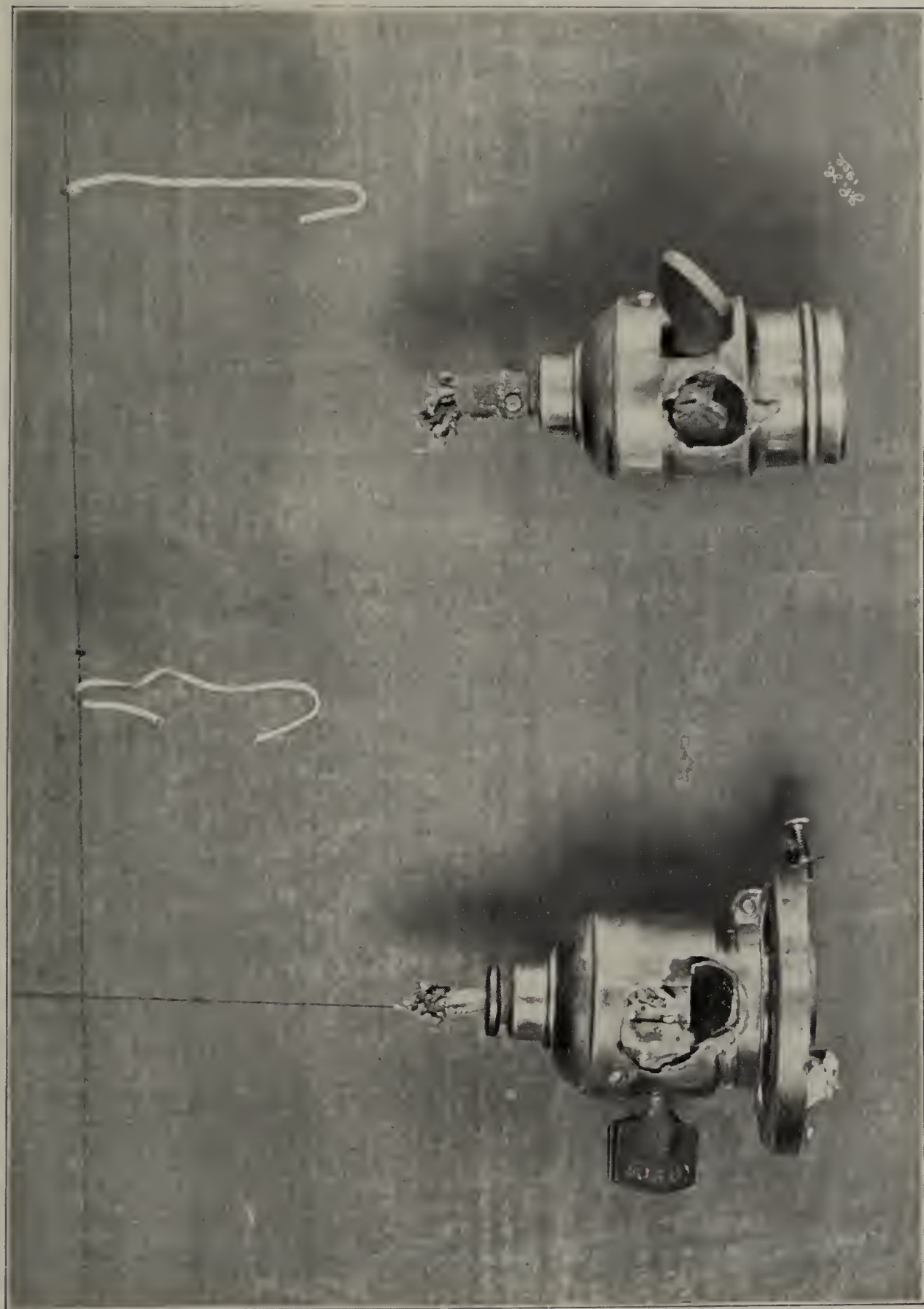
No conductors is less than 4 inches from an adjacent one of same polarity, and opposite polarities are separated by more than 18 inches, and all joints have a large contact surface. The bare copper arranged in this manner allows for a very free radiation of heat. The materials used insure the whole installation being absolutely fireproof. Great care has been taken to allow for the free expansion of the conductors, which might be caused by short periods of overload, due to possible trouble on the underground system, thus insuring an absence of buckling on any part of the system.

To guard against accidents of a general character, all parts of the system liable to be within reach of unauthorized persons have been securely enclosed with strong iron fences. Plate 23 shows the vault under Bumstead court and Plate 24 shows a general view of the conductor work in the basement room.

The following is a record of the isolated plants in operation in this City :

Number of plants,	271.		
“ “ boilers,	589,	total horse-power,	57,960
“ “ engines,	376,	“ “ “	35,015 $\frac{1}{2}$
“ “ generators,	466,	“ kilowatt ca-	
		capacity,	18,205 $\frac{1}{2}$
“ “ motors,	714,	total horse-power,	6,257 $\frac{2}{3}$
Number of incandescents,	193,091.		
“ “ arcs,	3,297.		

Systematic inspection with necessary tests are underway, which upon the completion of same will include all isolated plants in this City of which we have any knowledge.



SOCKETS AND COPPER WIRES (USED FOR FUSES).

Plate No. 14.

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During the year completed, January 31, 1901, there have been one hundred and ninety-seven (197) isolated plants inspected, and tested for "grounds."

Of these plants one hundred and twenty (120) were found defective, many being in a condition absolutely dangerous, and not only a menace to the building or buildings in which they were contained, but also a menace to neighboring property.

Owners of isolated plants in each and every case where defects were found, were notified of same, and with very few exceptions our requests for correction of defects have been cheerfully complied with.

The equipment of isolated plants inspected is as follows:

Number of generators	341, total kilowatt capacity	12,904½
“ “ boilers,	430, total horse-power	40,965
“ “ engines,	281, “ “ “	29,214½
“ “ motors,	519, “ “ “	4,743
“ “ incandescents,	135,949.	
“ “ arcs,	2,557.	

The following is a complete summary of the work of the Interior Division for the year ending January 31, 1901:

5,859	Notices of new work received.
570	Buildings in which wiring was completely examined.
316,074	Incandescent lights examined.
5,697	Arc lights examined.
1,922	Motors examined.
11,150½	Total horse-power of motors examined.
1,176	Services examined.
12,609	Inspections made.
2,274	Defects reported.
1,622	Defects corrected.
Other defects are in process of correction.	

During the year there have been sixty-five fires or accidents to property, the origin of which was traced to electricity.

They are classified as follows:

29	fires in the interior of buildings.
1	fire on roof of building.
4	fires on outside walls of building.
1	fire on stand-pipe for distribution.
3	fires at bridges.
7	fires on poles.
9	fires in trees.
1	fire and explosion at underground catch-box.
1	gas explosion in manhole.
6	transformer burn-outs.
3	miscellaneous.

Total, 65

Of the transformer burn-outs, four of them resulted in the primary current entering buildings over the secondary wiring of same, doing more or less injury to wiring and fixtures, and in three cases starting fires inside of buildings.

In two of the three other cases the Fire Department were called, but their services were not required.

FIRES.

February 4. At 8.20 P.M. No. 475 Harrison avenue. Water worked into a cut-out box on a high potential arc circuit of the Boston Electric Light Company, and current grounded through a screw supporting cut-out box to woodwork. No insurance loss.

February 8. At 7.25 P.M. Corner of Rutland street and Shawmut avenue. Two tree fires, caused by a current from a high potential circuit of the Boston Electric Light Company, the wire of this circuit being in contact with a span wire of the Boston Elevated Railway Company, which was also in contact with limbs of trees.

February 8. At 7.45 P.M. Washington and Canton streets. High potential arc wire of the Boston Electric Light Company became detached from insulator and came in contact with a fixture arm during a rain-storm. Current grounded at this point, and fixture arm was slightly burned.

February 5. No. 256 Swett street. Fire was discovered on arrival of an employee in the early morning. In stone-shed was a derrick and car operated by a 500-volt motor located on car, current for motor being supplied from the system of the Suburban Light and Power Company. At some time during the night this car was started by some unauthorized person, run into and part way through the ends of doors of shed, where it stopped. Current was left on motor, the coils of which became overheated and burned out and fire was communicated to wood timbers, etc., of car. No damage except to car and motor.

February 9. At 11 A.M. Box 116. Slight fire on underside of the Dover-street bridge, across the Boston & Albany Railroad tracks. Fire was caused by leakage of current from an electric feeder of the Boston Elevated Railway, leakage being due to a breakdown in the insulation of feeder, probably caused by the heat; smoke, and gases from locomotives passing beneath, and to the wet weather which had prevailed for several days before fire occurred.

February 12. At 10.30 P.M. Back Bay Station of the New York, New Haven & Hartford Railroad. A short circuit occurred in a lamp receptacle in loft of building, while watchman was attempting to remove a defective lamp. Fuse in cut-out blew, an arc was maintained across the terminals of cut-out, and insulation on wires entering cut-out was ignited and burned for several inches. Fire was extinguished by watchman without further damage. See plate No. 18.

February 14. No. 246 Washington street. Slight electrical trouble due to grounding of a motor circuit, caused by a piece of zinc resting on an iron pipe being jammed against wire and cutting into insulation of same. A hole melted in zinc; otherwise no damage was done.

March 1. At 9.41 A.M. Nos. 23-25, 22-32, and 48-50 Pearl street. Slight fires occurred at these buildings as a result of heavy currents of electricity entering over their gas-service pipes.



EFFECTS OF ELECTROLYTIC SALTS ON WIRES.

Plate No. 15.



DETAIL OF ABOVE.

Plate No. 16.

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At Nos. 23-25 Pearl street. Amount of electricity passing over pipes was sufficient to melt off a $\frac{3}{8}$ -inch gas-pipe and badly fuse $1\frac{1}{4}$ -inch service-pipe with which the $\frac{3}{8}$ -inch pipe was in contact, gas issuing from the smaller pipe being ignited and the flame therefrom charring and scorching the neighboring woodwork in basement. On the first floor two lead water-pipes had irregular holes melted in them at points where they were in contact with other pipes. At building Nos. 22-32 Pearl street the insulation was burned off of some ground wires which were a portion of the system of the Boston Automatic Fire Alarm Company, and which wires afforded a path for the current between the gas and water piping of the building. Moulding containing wires was also somewhat burned.

At building Nos. 48-50 Pearl street current entering same over gas-pipe was sufficient to melt off the $1\frac{1}{4}$ -inch lead service-pipe to meter, and gas issuing therefrom was ignited. As there was nothing inflammable in the vicinity of this meter fire did not spread. Investigation showed that the source of current of electricity entering these buildings was an underground electric feeder of the Edison system, two burn-outs having occurred in same simultaneously with the electrical troubles at the buildings mentioned above. One of these burn-outs occurred opposite No. 43 and the other opposite No. 81 Pearl street.

It is evident that when burn-outs occurred the electrical conductor or conductors were brought into electrical connection with the pipe in which they were contained, over which pipe the current passed to gas-pipe with which conduit tube must at some point have been in contact. See plate No. 21. Insurance loss was adjusted at \$351.10.

March 3. At 11.43 A.M. A building at the head of Lewis wharf and on Atlantic avenue was being demolished, wood from same being given to whoever would remove it. An electric service cable of the Edison Electric Illuminating Company, which entered this building attracted the attention of an Italian who attempted to cut a piece off the cable with his axe. Cable was alive and short-circuit which resulted from blow with axe ignited the insulation of the cable and fire was communicated to waste lumber. Fire Department called on still alarm.

March 15. At 10.37 A.M. No. 105 Summer street, Church Green Building. As a result of short-circuit elevator cable feeding light in elevator car became overcharged, insulation took fire and burning particles of same dropped to bottom of elevator well igniting loose paper and other rubbish in same. Cut-out did not relieve the short-circuit as in place of proper fuses cut-out had pieces of copper wire in same. No insurance loss. See plate No. 13.

March 20. Dorchester avenue, opposite Second street. Slight fire caused by a live high potential wire of the Boston Electric Light Company falling upon a sign, as a result of which the sign was burned for about two feet in length. Reported by Fire Department. No insurance loss.

April 10. At 6.48 P.M. No. 72 Boylston street, Hotel Pelham. Slight fire in elevator machinery well. Fire was confined to the insulation of an incandescent lighting circuit and a bunch of bell and other wires in wellway and to the burning and charring of woodwork in that part of wellway where wires were located. Probable cause, poor connection at switch on incandescent light circuit as a result of which a slight arc ignited insulation of wire. Alarm from Box 55. Insurance loss about \$400.

April 14. At 8 P.M. No. 392-394 Boylston street. Owing to trouble at the Power Station supply of current was not sufficient to meet the demand on the system. Elevator motor at this place stopped on account of lack of current and attendant neglected to shut current off. Later smoke was seen issuing from motor-room and was found to come from the coils of rheostat, which had become overheated. Switch was opened and trouble ceased. Engine Company 33 and Hook and Ladder Company 16 were called as a precautionary measure, but their services were not required.

April 22. At 8.20 P.M. No. 2 Maverick square, East Boston. Slight fire caused by a short-circuit in wires beneath canopy of combination fixture. Insulation on a foot or so of wire and about the same amount of moulding above fixture burned; also, insulating joint on fixture was considerably burned. Alarm from Box 628. Insurance loss, \$200.

April 30. About 2.30 P.M. No. 11 Elm street. Electrical disturbance. A heavy current of electricity entered this building over gas-pipe, source of same being underground tie feeder of the Edison Electric Illuminating Company, a burn-out having occurred in same at a point about 15 feet from this place. Lead beer pipes were melted in several places, and where metal ceiling and soil pipe were in contact with each other both were melted.

May 8. At 8.20 P.M. Opposite No. 229 Blue Hill avenue. Power wire of the Boston Electric Light Company came in contact with a spike on limb of tree, current from same setting fire to limb and damaging Postal Telegraph Cable Company cables. Alarm from Box 242.

May 8. Early evening. Clarendon street, Grundmann Studio Building. Slight fire in Room 10, which was extinguished by occupant. Owing to leaky roof the moulding containing wires on side wall became saturated with water, insulation of wire deteriorated, an arc was established between the two wires of opposite polarity and insulation of wire, also the moulding, was ignited. Damage was very slight. No insurance loss.

May 9. No. 111 Kneeland street. A strong smell of gas being noticed an investigation was made and a hole was found in a $\frac{3}{8}$ -inch gas-pipe in basement at a point where same was crossed with a 110-volt electric lighting system furnished with current by the Edison Electric Illuminating Company. Basement was very wet, wiring badly grounded, and hole in pipe corroded by electrolytic action due to existing conditions.

May 15. At 8.30 P.M. Dorchester street, between Fifth and Bowen streets. Arcing of Boston Electric Light Company wires on trees.

May 15. About 11 P.M. Andrews square. A street arc-lamp pole was found on fire. Pole, although fed from overhead, was of a type designed to feed from underground service, it being hollow so that cable could be pulled up inside of same from underground duct. The top of pole is an iron pipe or "gooseneck" from which a lamp is hung. This "gooseneck" is fastened to top of wood pole by iron lag screws, one of which passed through wood so that point of lag screw entered hollow space in pole. In contact with this point was an iron wire which ran to the ground. This had been left in pole for future use in drawing in cables. The night was stormy and current from circuit escaped to iron portion of pole, thence over lag bolt and iron wire to ground. Arc formed at point of contact between lag bolt and iron wire ignited wood of pole.



TWO PIECES OF LEAD SHEATH CABLE TAKEN FROM A 500-VOLT
AND A 2,000-VOLT CIRCUIT.

Plate No. 17.



CONDITION OF CUTOUT AS FOUND BY THIS DEPARTMENT.

Plate No. 18.

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May 20. Evening. Opposite No. 139 Cedar street. Tree fire, caused by wires of the Boston Electric Light Company lying on limb of tree and arm of pole. Engine Company 14 called on a still alarm.

June 4. At 8.15 P.M. Castle Island bridge. Fire started at the butt of a wood supporting pole for a series arc-lamp at point where wire entered pole to run up to lamp and was due to circuit grounding at this point. Bridge in vicinity of pole was quite severely burned. Fire Department called on a still alarm.

June 9. About 3 P.M. Parker House, School street. A flexible cord had been run by engineer from wires back of canopy of a wall bracket around side wall of room to a receptacle, for the purpose of furnishing additional light to occupant of room. On wall and attached to same by pins and tacks were many inflammable articles such as calendars, paper fans, etc. One of these fastenings was driven through cord in such a manner that subsequent jar or movement of cord completed short-circuit. Resulting fire caused a damage of about \$50.

June 16. At 10.20 A.M. No. 11 Otis street. Fire was the burning of a foot or two of the insulation of two No. 14 wires and a few inches of the moulding in which they were contained. Moulding was exposed to dampness and an electrolytic action took place between opposite poles of the circuit at point where current leakage occurred. An arc finally resulted igniting moulding and insulation of wires. Alarm from Box 52. No insurance loss.

June 23. At 12.10 A.M. No. 1050 Columbus avenue. Grounding of an arc light circuit on iron brace to an arc-lamp bracket over sidewalk. Window-frame burned and charred for several inches, otherwise no damage except to circuit. Severe rain storm in progress at the time. Engine Company 13 called on a still alarm.

June 23, 24, and 25. Evening. Opposite No. 46 East Newton street. Fires due to the arcing of Boston Electric Light Company's wires on limb of tree.

June 29. At 9 P.M. Opposite Ladder House 4, Dudley street. Tree fire, due to the arcing of Boston Electric Light Company's wires on limb of tree. Reported by the Fire Department.

July 12. At about 9.30 P.M. Corner of Dorchester avenue and Washington street, Dorchester. Fire in New England Telephone and Telegraph Company's cable box on pole at above location. Box destroyed, pole injured, and 34 telephones and one fire-alarm box cut out of service. Probable cause, lightning discharge or cross between one of the wires entering this box and a high potential wire.

July 12. At 9.38 P.M. No. 11 Ashburton place. Fire occurred in an enclosure or closet in space between building No. 9 Ashburton place and the Boston University School of Law Building, in which closet a service pipe containing 500 volt and primary cables of the Boston Electric Light Company terminated. In closet were also a large transformer and Fort Wayne cut-outs on the primaries, the latter being enclosed in a wooden box. Fire consisted of the burning of this box and several feet of the insulation of the wires, and was caused by the grounding of current of primary circuit at one of the cut-out boxes due to presence of water, a severe rain storm being in progress at the time, and roof of closet leaking badly. Engine Company 4 and Chemical Company 1 called on a still alarm. No insurance loss.

July 28. Columbus avenue and Heath street. Slight fire on pole

of the New England Telephone and Telegraph Company, caused by high potential wire of the Boston Electric Light Company coming in contact and grounding on cross-arm of pole.

July 29. At 12.58 A.M. Corner of Boylston and Washington streets. Slight fire, same being the burning of the insulation of wire on an induction coil used in connection with an arc lamp, and the scorching of ceiling immediately above coil. Cause, a crooked carbon in lamp prevented it from feeding properly, a short arc resulted, and an excessive flow of current passed through induction coil. Circuit cut-out was overfused and failed to operate in time to prevent trouble which occurred. Engine Company 26 called on a still alarm. No insurance loss.

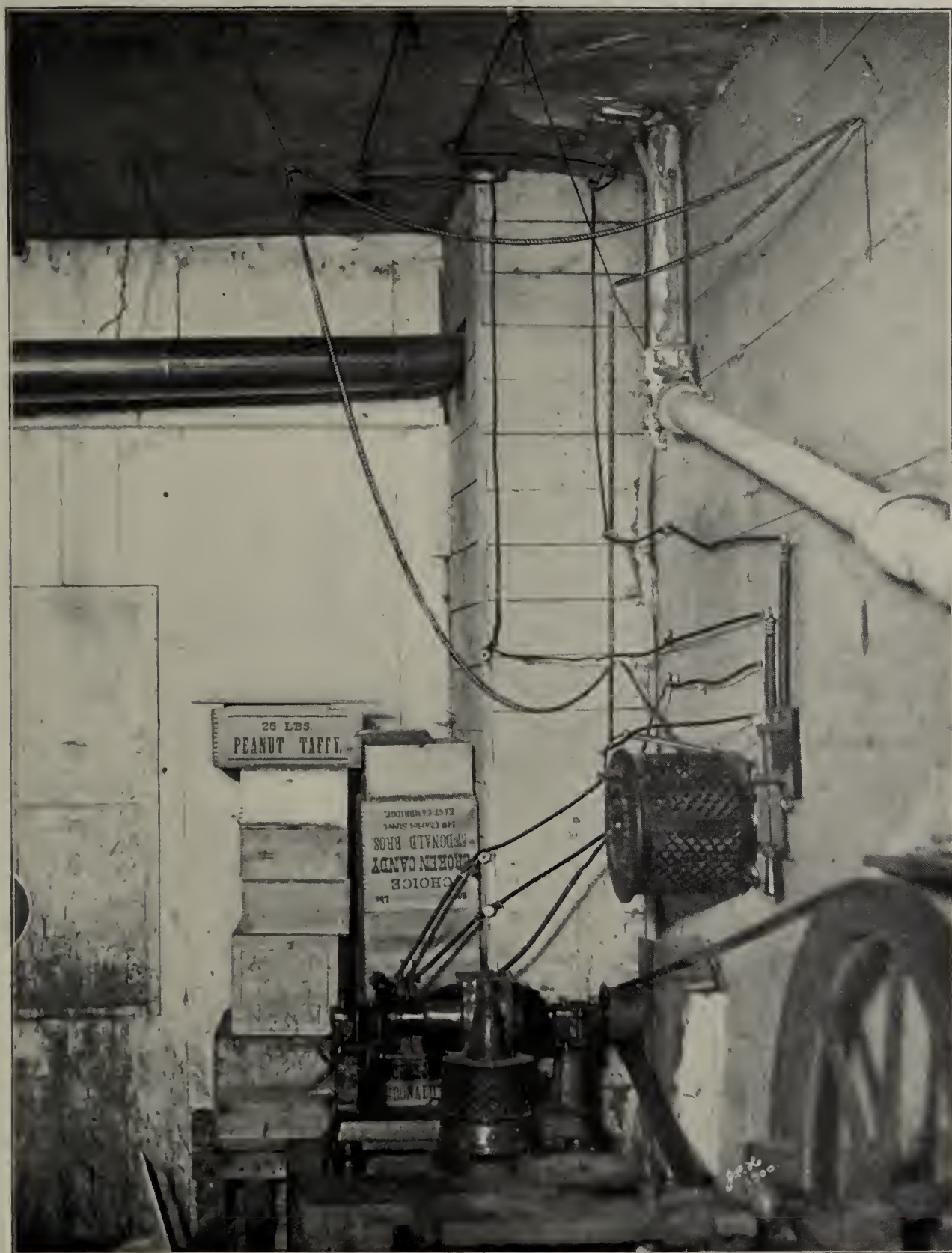
July 31. At 7.35 P.M. No. 487 Washington street. Slight fire, consisting of the burning of mosquito netting, with which a combined ceiling fan and incandescent lamp fixture was enwrapped. Fixture and ceiling slightly scorched. Cause, arc at one of the binding posts, due to a poor connection at same, ignited mosquito netting. Engine Company 26 called on a still alarm. No insurance loss.

August 8. At 7.45 P.M. No. 129 Staniford street. Fire was the burning of a sliding curtain at window of office booth and the scorching of frame, the curtain being ignited by the flash of a short circuit in an incandescent lamp pendant cord which hung in close proximity to curtain. Short circuit in cord was due to mechanical injury to insulation of same. Insurance loss, \$25. Current supplied by the Edison Electric Illuminating Company.

August 28. At 12.15 P.M. Third Station of the Edison Electric Illuminating Company, Atlantic avenue. At the rear of the boiler-room are located coal sheds of this company, between which and rear wall of boiler-room is an intervening space of about five feet in width, which is planked over.

Beneath this planking, in a space perhaps 5 feet in height, is located a wooden box, used as a junction box, in which junctions are made between cables from power-house and sub-marine cables which run under Fort Point channel. This box also is filled with compound and at high tide is covered with several inches of tide water. Work was going on this morning at this junction box in connection with pressure wires contained in same, and while workman was cutting away the compound to free the pressure wires he inadvertently drove a cold chisel into the negative pole of feeder, grounding same to iron pipe, thereby causing a short-circuit, which apparently burned itself clear. This happened about 11 A.M. As the tide was rising to a point where box would soon be submerged, the workman melted compound down around conductors and then left them in what he supposed was a safe condition, until such time as tide would be low enough to permit a resumption of work. On the rise of the tide water to the cables a short-circuit in damaged cables again occurred, ignited insulating compound and neighboring stringers, planking, etc.; fire working for a distance of several feet beneath plank flooring of coal shed. With the exception of damage to feeder there was no fire loss, as while planking, etc., was quite badly burned in places, it was not damaged sufficiently to necessitate the replacing of same with sound lumber. Alarm box 51.

September 4. No. 106 Friend street. A workman, assisting at re-setting a curbstone, drove a pick through tube of the Edison Electric Illuminating Company, causing a short circuit, resulting arc igniting board intended to protect tube. Fire extinguished with



"HOME-MADE" SPEED REGULATOR.

Plate No. 19.

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sand by members of Hook and Ladder Company 1, who were called on a still alarm.

September 6. At 5.30 P.M. Opposite No. 375 Tremont street. Reported electric fire was a short circuit in an underground main of the Edison Electric Illuminating Company, short circuit being caused by workman of gas company, while attempting to locate a leak, driving his crowbar through planking covering tube and into tube. No damage except to mains and crowbar.

September 14. At 7 P.M. No. 280 Dorchester street. High potential wire of the Boston Electric Light Company, during the severe storm of September 12, was blown against and caught at base of tower of house, insulation of wire chafed off, and an arc formed between wire and zinc and copper work of tower. Damage about \$100. Fire Department called on a still alarm.

September 14. At 8.30 A.M. No. 9 Exchange place. Fixture cord grounded at outlet on pipe back of insulating joint. A hole was melted in gas-pipe, gas ignited, and a hole about 3 feet in diameter was burned in ceiling and floor above. Fire Department called on a still alarm. Current furnished by the Edison Electric Illuminating Company.

September 15. At 3 A.M. Chestnut Hill avenue, house of A. G. Everett. Breakdown in Stanley transformer permitted 2,000-volt current to enter building over secondary wiring of same. Burn-outs occurred at the various combination fixtures, and a fire was started at cut-out cabinet, badly burning the inside of same. Cabinet had a tight-fitting door and fire was extinguished, there being lack of air to support combustion. Loss about \$100.

September 17. At 7.35 P.M. September 18, about 11 A.M. Junction of Summer and Bedford streets, Church Green Building. At 7.35 P.M., September 17, Engine Company 7 and Hook and Ladder Company 17 were called to this building on account of windows of the Regal Shoe Company in basement being filled with smoke. Basement was ventilated, but firemen found no fire. The following forenoon flashing was noticed at a copper water conductor in freight elevator well, and Wire Department was notified. An investigation showed that this water conductor, also a similar conductor on the other side of building and passing through basement of the Regal Shoe Company, both being used to drain roof gutters, had holes melted in them, evidently by electric arcs. In elevator well was a No. 0000 set of mains belonging to and used by the Church Green Electric Light and Power Company for distribution purposes. One pole of these mains was grounded on iron pipe in which it was contained for a portion of its run, pipe in turn being in contact with water conductor over which current passed to various parts of the building. There was no fire, but arcing of current at several points and the appearance of smoke caused considerable alarm. System of the Church Green Company is grounded on one pole. Ground in pipe occurred where approved wire had been dishonestly spliced out with a short length of weatherproof wire.

September 18. At 6 P.M. Corner of River street and Central avenue. Tree fire. High potential wire of the Boston Electric Light Company became detached from insulator and came in contact with cross-arm attached to tree; current grounded and set fire to cross-arm. Wires of the Massachusetts Electric Railway Company were in contact with same tree at another point, current grounded and badly burned tree.

September 20. At 7.35 A.M. No. 109 Purchase street. A slight fire occurred in fourth floor, due to a defective automatic-starting rheostat of a 15 H. P. elevator motor, which caused excessive sparking at the brushes and commutator, igniting insulation of wires and a sheathed partition which was in close proximity to motor.

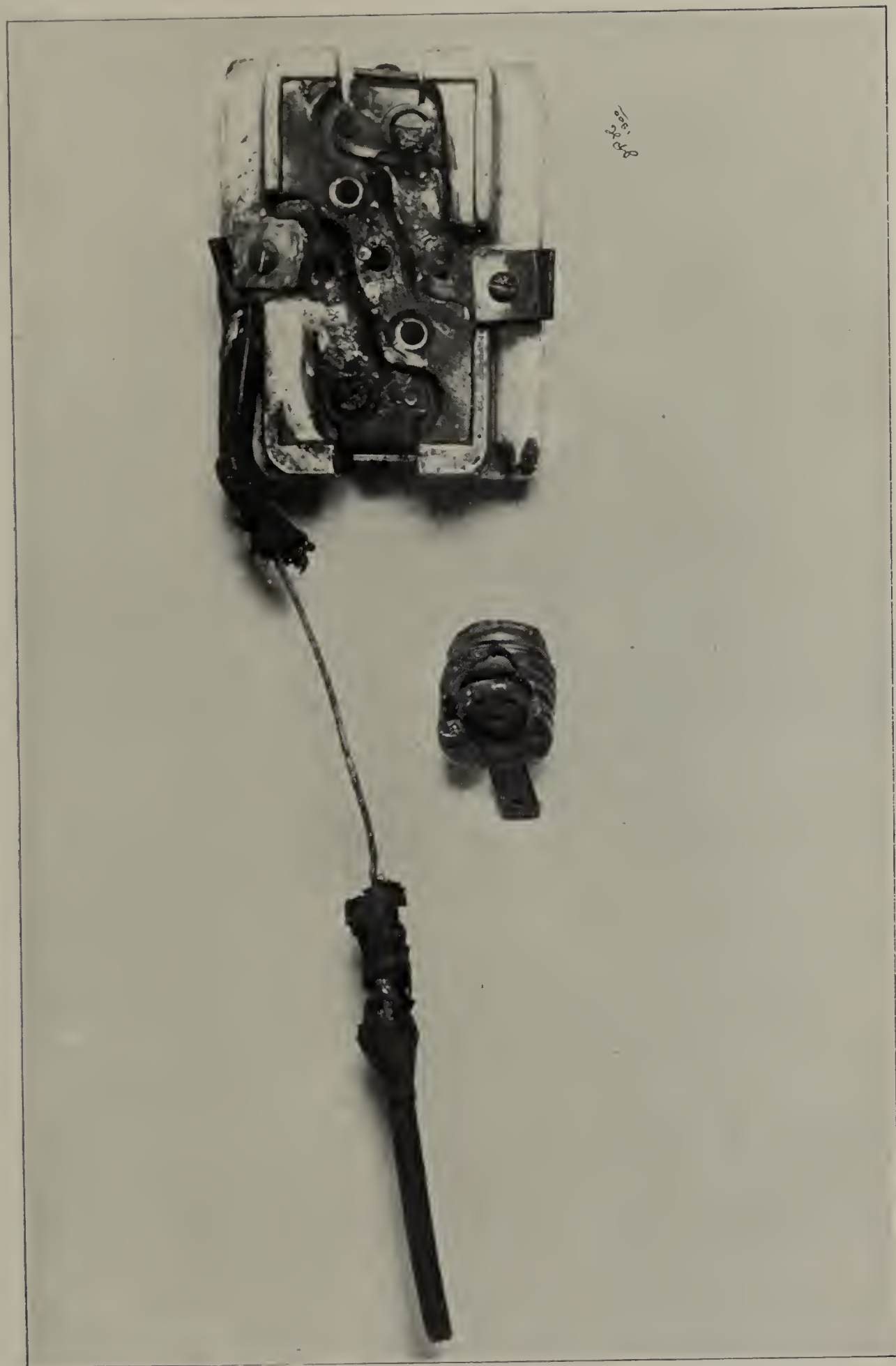
September 28. At 6 P.M. Castle Island Bridge. Grounding of high potential circuit of the Boston Electric Light Company at a series incandescent lamp in covered part of bridge, due to exposure to the weather.

September 28. At 8.40 A.M. No. 103-105 Chambers street. Short-circuit in Edison Electric Illuminating Company's underground service cable, due to injuries to cable by workmen constructing this building. No damage except to cable. Engine Company 6 called on a still alarm.

October 8. About 7.15 P.M. No. 108-112 Dudley street. Electrical trouble due to the grounding of current from a 500-volt circuit where wires were run (porcelain insulator work) on ceiling of basement at a location beneath a refrigerator on first floor and was the result of dampness affecting the insulation of circuit. Owing to the early discovery of trouble by the occupants of basement the damage was confined to the burning of the insulation of wire for an inch or two and the scorching of floor timbers in close proximity to same.

October 11. At 9.21 A.M. Box 273. No. 45 Peter Parley road. Fires were started at two wall outlets; a hole was melted in ceiling canopy to a combination fixture and service fuses were blown. The extent of fires was slight, being confined to the insulation on the wires at or near the outlets where fires occurred and the slight burning or charring of laths and studding at these points. Cause, breakdown in insulation of transformer supplying current for this wiring permitted current from primary circuit to enter house over secondary wiring of same. At points where fires occurred current grounded on gas-pipes, the resulting arc igniting insulation of wires.

October 11. At 7.29 A.M. Box 53. Head Place, First Station of the Edison Electric Illuminating Company. Directly under operating-room on the Bumstead court side of station is a cable vault or room into which 34 lead sheath cables, each cable of a capacity of 1,000,000 c.m., also a multiple conductor pressure wire cable of 60 pair of wires, enter underground from Bumstead court. These 1,000,000 c.m. cables, which were the positive and negative poles of various feeders from this station and of tie lines between this station and the Third Station, passed up the Bumstead court wall of cable-room to a convenient height, each cable in a lined pipe of so-called interior conduit manufactured by the Interior Conduit & Insulation Company, of New York, pipes being held in position by a framework made for that purpose, then cables bend and pass through similar pipes to points where they pass up through floor to switches in operating-room. Burn-out started in one of the cables at bend where it left the perpendicular and entered horizontal pipe, and extended to the other cables. As a result of burn-out numerous troubles occurred in the underground street system of the Edison Electric Illuminating Company, owing to the consequent overloading of feeders. The exact cause of burn-out in station it was impossible to determine. It may be that trouble was local in its origin and burn-out was due to a breakdown in the insulation of cable where fire was first discovered, or it may have been the result of a burn-out in the street.



CUTOUT AND LAMP BUTT FROM N. Y., N. H., & H. R.R. (BACK BAY STATION).

Plate No. 20.

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October 14 About 1 A.M. Hotel Bretagne, No. 496 Massachusetts avenue. Transformer burned out and primary and secondary coils were in electrical connection with each other. No damage done in building, with the exception that one circuit in same was found grounded. Cause of burn-out was the breaking off of a limb of a tree on Centre street, Jamaica Plain, which fell upon wires of the Boston Electric Light Company, Suburban Light and Power Company, and the New England Telephone and Telegraph Company, crossing them with each other and with the wires of the Boston Elevated Railway Company, upon which they fell. Circuits were grounded and insulation of transformer, unable to stand the strain, broke down. Current supplied by the Boston Electric Light Company.

October 16. At 7.14 P.M. Box 126. Corner E and Third streets, South Boston, St. Vincent's Church. Transformer located on the outside of building burned out, primary and secondary coils were brought thereby into electrical connection with each other, and primary current entered church over secondary wiring of same. Damage done by primary current entering building was slight, being confined to the breaking of filaments of several lamps and the blowing of several fuses. One circuit was also found grounded. Cause, an old piece of insulated wire, the ends of which were bare and hooked, had been thrown by some one standing in the street and one end of same hooked on to one wire of the primary alternating circuit while the other end hooked on to the arc circuit. The night was wet and stormy and consequently the so-called insulation of line wire was worthless and the two circuits were tied together by this old piece of wire. Circuits were grounded and wiring of church was either grounded or else it, as well as transformer supplying same, was unable to stand the strain caused by the crossing of the 2,000-volt primary circuit with the arc circuit, which had a potential of over 5,000 volts, and insulation of transformer broke down, with results as above stated. Current supplied by the Boston Electric Light Company.

October 16. Early evening. Franklin avenue. Transformer in manhole burned out, due to same cross between primary and arc circuits as burn-out in transformer in St. Vincent's Church. No damage except to transformer. Current supplied by the Boston Electric Light Company.

October 16. At 9 P.M. Hamilton place, Music Hall and Musée. Slight fire in fireproof booth in gallery where a vioscope, or moving picture machine, was located and operated. Film of machine broke and operator stopped machine, but failed to close shutter over lens. Heat from arc focussed on stationary film, ignited same, about 200 feet of film was destroyed, and operator in attempting to save film was severely burned about the face and hands. Owing to the excellent manner in which machine was installed no other damage was done. Current supplied by isolated plant on the premises.

October 22. At 5.30 P.M. No. 80 Blackstone street. Slight fire in doorway discovered by a woman employed in building and extinguished by persons summoned by her. Cause, passing up from stairway are mains from a 500-volt service of the Boston Electric Light Company entering basement of this building, current being supplied for several 500-volt motors located on different floors above. Where mains passed through floor of stairway entrance, porcelain floor tubes did not project sufficiently above floor to

prevent insulation of wires being injured, due to rain-water leaking into doorway and current from one of the wires grounded, an arc was established, wire burned off, and floor and wooden casing in which wires were enclosed had holes burned in same. Current supplied by the Boston Electric Light Company.

November 4. At 5.55 P.M., Box 162. No. 249-251 A street. This fire was caused by the carelessness of a workman who was using flexible cord for testing purposes. The two ends of wire were bared, so that contacts could be made, and the workman, after testing a machine with a 500-volt current, failed to throw switch and shortly after left the building. The ends of wire came in contact and an arc was established which ignited the insulation of the wire and fire was communicated to the workbench. Owing to its early discovery the loss by fire was slight. No insurance loss.

November 2. At 1 P.M. No. 568 Washington street. Slight fire on the outside wall of this building caused by a ground in the cables of the Boston Electric Light Company at top of stand-pipe. No damage was done except to cables. Engine Company 26 called on a still alarm.

November 21. At 6.25 P.M. Centre and New Heath streets. Slight fire on pole of the Boston Electric Light Company, caused by wire becoming detached from insulator and coming in contact with iron brace; during the rain-storm a ground was formed through a guy which was also in contact with brace and fastened to tree in adjoining yard, setting fire to tree and pole and cross-arms, doing some damage to each.

November 22. At 5.35 P.M. At No. 303 Blue Hill avenue. Tree fire, due to the wires of the Boston Electric Light Company chafing against limb of tree and insulation wearing off. Current grounded and set fire to limb of tree. Damage slight. Box 274.

December 6. About 8.30 A.M. Savoy street. Burn-out in underground cables of the Boston Elevated Railway Company in Savoy street. Cause of the burn-out was the deterioration of insulation of cable and consequent grounding of current from same over lead sheath of cable and cement lined pipe duct, contact between lead sheath of cable and metal of duct being at iron connecting rings between lengths of cement lined ducts. One cable was so firmly welded to iron rings of conduit pipe that it was necessary to dig up street to remove both cable and pipe.

December 7. At 11.18 P.M. Corner Exeter and Boylston streets. Hotel Lenox. Slight fire in basement. Fire was a burn-out in a 400 light oil transformer caused by overload on same. Damage was confined to this and an adjacent transformer and to wires and other electrical apparatus. Fire Department called by a still alarm.

December 14. About 4.40 P.M. An alarm of fire was given from Box 16, for a fire and explosion in a tenway junction box in the Edison underground system of distribution, located on Merchants row between Faneuil Hall and Quincy Market. The first indication of the trouble was from the manhole covers being blown off by the force of the explosion of gas generated by the burning compound and ignited by the arc; the force of the explosion was sufficient to throw the covers up some ten or fifteen feet in the air, the inner one being broken in several places. The flames from the burning compound quickly followed the explosion and could not be extinguished until the feeders and mains centering in this box



PIPES AND WIRES TAKEN FROM BURNOUT ON PEARL STREET.

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could be disconnected in the feeder boxes nearest to this one, which was done as quickly as possible.

Burn-out was probably due to an overload on feeders, mains, etc., resulting in the overheating of the conductors in one or more of the stubs leading into the box, softening up the compound and letting the conductors come in contact with each other or with iron tube containing them, thereby causing a short circuit.

December 17. About 4.40 P.M. Corner Cambridge street and Harvard avenue. Reported pole fire, found to be the burning of insulation of about two feet of twin cable feeding an arc-lamp of the Brookline Gas Light Company. Lamp was suspended from a carrier, supported by an iron pipe, projecting from wooden pole, and it was fed by a twin cable, the whole being so arranged that lamp could be pulled in to the pole every day for the purpose of trimming, etc. It is probable that as a result of wear and tear, cable finally broke, an arc was established, and insulation of wire was ignited.

December 18. At 9.20 P.M. Timothy Smith & Co., No. 2249 Washington street. Burn-out of defective "Davis" cut-out, belonging to the Boston Electric Light Company and located on side of building. No damage except to cut-out. Alarm from Box 218.

December 30. Dorchester avenue and Fifth street. Police cable crossing Dorchester avenue sagged and made a swinging contact with a Boston Electric Light Company wire, wearing off the insulation and current from the Boston Electric Light Company wire; burned out police cable.

January 4, 1901. About 9 A.M. No. 22-32 Pearl street. Slight fire on first floor, due to current of electricity entering building over gas-pipe, passing to water-pipe over ground wires which were attached to these pipes and which belong to the Boston Automatic Fire Alarm Company, overcharging wires, setting insulation of same on fire and igniting moulding in which wires were run. Also holes burned in service gas-pipes, one of which entered this building and the other entered building No. 99 Pearl street. Cause of same was burn-out in the underground electric feeders of the Edison Electric Illuminating Company, current from same passing over gas pipe with which the Edison underground tube was in contact.

January 7. Atlantic avenue, opposite Central street. Explosion of gas illuminating in manhole, cover of which was blown several feet in the air. No injury to persons or property.

January 11. Corner of Massachusetts avenue and Albany street. Contact between New England Telephone and Telegraph Company wires and the Boston Electric Light Company wires, causing arcing at points of contact. Cross due to the breaking of New England Telephone and Telegraph Company wires and their falling on wires of the Boston Electric Light Company.

January 28. At 11.24 A.M. Nos. 72-74 Leverett street. Engine Company No. 6 called on still alarm for slight fire, caused by wires of a two-light combination ceiling fixture grounding on gas pipe in back of fixture insulating joint. Damage confined to fixture and ceiling in the immediate vicinity of same.

ACCIDENTS TO PERSONS DUE TO ELECTRICITY.

February 17, 1900. Nicholas Olson, employed by the Postal Telegraph Company, while engaged working on their cables on the New England Telephone and Telegraph Company's poles on Blue Hill

avenue, was seriously injured by falling from the pole at the corner of Warren street and said avenue. It appears that Lineman Olson was climbing pole and had reached the lower cross-arm, one of the iron braces of which he grasped with one hand, while with the other hand he grasped an iron guy wire running from the pole he was on to an iron pole of the Boston Elevated Railway Company, about eight feet distant. From the bottom of this lower cross-arm was a short drop wire supporting two glass insulators to which were attached two primary alternating wires of the Suburban Light and Power Company, one of which was in contact with the iron brace, thereby charging same. When Olson grasped this brace and guy wire at the same time he thus completed a circuit through himself to the ground. Shocks received by Mr. Olson were so severe that he was unable to free his hands until after his spurs were free from pole, when his weight broke his hold and he fell to the ground, a distance of twenty to twenty-five feet.

March 15. Michael Rooney, an employee of the Sewer Department, while at work on sewer construction, corner of Haverhill and Travers streets, received a severe electrical shock, necessitating his removal to the Massachusetts General Hospital.

At the time of the accident Mr. Rooney had hold of the wire cable attached to a bucket, which was being lowered into trench, when arm of derrick used in construction with same was swung around so that it came in contact with an unused but live trolley wire of the Boston Elevated Railway, current from which passed by way of bucket cable and Mr. Rooney to ground.

May 15. Mr. John Kersey, a painter, while at work painting busbars in the operating-room of the Edison Electric Illuminating Company's First Station storage battery rooms, was severely burned about the face and hands as a result of a short-circuit caused by the wire binding of his paint brush coming in simultaneous contact with two busbars of opposite polarity, and a difference of potential of about 220 volts.

August 7. Patrick Blackburn, an inspector of the Boston Electric Light Company, lost his life while in the performance of his duties, by a fall from a pole used for the support of a street-lighting arc-lamp at the corner of K and First streets, South Boston. While making his usual rounds he had occasion shortly before 9 P.M. to ascend this pole to ascertain why lamp was not burning.

In addition to the ordinary use of this pole for supporting a street lamp, it was also in use as a distribution pole from an underground duct, the two wires leaving this pole and running overhead having a difference of potential of over five thousand volts. This construction was without the approval or knowledge of the Wire Department. Switch, which is located at base of "gooseneck" of pole, had been "thrown off," but lamp, which had ceased burning for want of trimming, had not apparently been touched. While the death of Mr. Blackburn was the result of a fractured skull, due to its coming in contact with the curbstone, when he struck, and although a careful examination of body failed to find any evidence of burns, it is highly probable, taking into consideration the conditions existing at the pole and the stormy nature of the night of the accident, that some portion of Mr. Blackburn, or his clothing, came in contact with the wires, he receiving a shock thereby sufficient to cause him to fall from pole.



SECOND STATION OF THE EDISON ELECTRIC ILLUMINATING CO.

Plate No. 22.

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Aug. 29. Police Officer Gould received a shock when attempting to remove an obstruction placed on the sidewalk by some boys at the corner of Rutherford avenue and Miller street, Charlestown. On examination he found attached to this obstruction an iron wire, which was connected to an iron step of a wooden pole belonging to the New England Telephone and Telegraph Company. An examination of pole was made the following morning by an inspector of this Department, who found that a street railway feeder cable had been in contact with one of the iron steps higher up the pole, the underside of which step was badly burned. This step was about twenty feet above the one that Officer Gould says the wire he removed was attached to, and it is probable that the two steps were electrically connected with each other by the same boys. However that may be, the source of current from which Mr. Gould received shock was undoubtedly the feeder before mentioned, which feeder had a potential of about 550 volts above that of the ground.

Sept. 11. Elija Debecque, a lineman in the employ of the Boston Electric Light Company, was fatally injured by falling from pole on Massachusetts avenue, near Shirley street. A new line of poles had been recently installed by the Boston Electric Light Company on this avenue, to which it was intended to transfer wires from the old line of poles standing alongside.

Mr. Debecque, with others, was engaged in painting this new line of poles and was on pole where accident occurred for that purpose. Besides other wires the old line of poles supported a 2,000-volt alternating circuit of the Boston Electric Light Company, one wire of which in passing pole where accident occurred was in contact with an iron brace to a cross-arm of the Postal Telegraph Company, to which it was intended to transfer their wires from the old pole standing alongside, and the insulation of alternating wire was chafed where it was in contact with brace. Mr. Debecque, grasping this brace, received shocks which caused him to fall from pole to ground, his skull being fractured as a result of fall.

Dec. 24. Herbert James, a lineman in the employ of the Suburban Light and Power Company, while descending a pole in front of No. 35 Guild row, received an electrical shock causing him to lose his hold and fall to the ground, as a result of which fall he received a compound fracture of the skull, causing his death later.

Pole where accident occurred is owned by the New England Telephone and Telegraph Company, and is occupied by their wires, by wires of the Boston Electric Light Company, and wires of the Suburban Light and Power Company. Pole was used as a distribution point from the underground system of the telephone company, a lead-sheathed cable belonging to this company running up the side of pole.

In contact with this pole was one of the span wires of the overhead trolley system of the Boston Elevated Railway Company, which span wire, owing to a defective insulator, was in electrical connection with the trolley wire carrying current at a potential of about 550 volts above the ground. In descending pole Mr. James came in contact with span wire and with grounded lead sheath of cable, he thereby becoming part of a derived circuit, with results before stated.

Jan. 12, 1901. Evan A. Linde, shortly after 4 P.M., met with a fatal accident at the Boylston-street bridge, over the tracks of the Boston & Albany Railroad.

Mr. Linde, who was employed in the arc department of the Boston Electric Light Company as a "trouble hunter" and as a "spare trimmer," was sent from their Ferdinand-street station, shortly after 3 P.M., for the purpose of looking up cause of lamp, where accident occurred, not operating properly the night previous, lamp having been reported by the police as not burning.

The pole supporting this lamp was of the approved "Gilbert" type, but its insulating properties were nullified by its location, pole being set on the inner side of sidewalk on the northerly side of bridge, and against the upper chord of the metal truss of bridge, to which it was secured by several strands of No. 6 B. & S. Co. wire, about $\frac{1}{8}$ inch below the top step of pole and about 19 inches beneath its cross-arm.

Mr. Linde was seen standing on the top chord of the truss, stooping down and looking upwards at the lamp, examining first one and then the other side of same, lamp at the time being in operation. A moment later he was seen lying on the ground and he was removed to a nearby police station, where he died a few moments later. Current was supplied for this lamp from an overhead circuit, the wires leading to and from it being fastened by two glass insulators about two and one-half feet above the truss, wires taking a turn around insulators, then twisted back on themselves, thence to cut-out for lamp. Where wires were twisted back on themselves the insulation of same was cracked on the underside, so that the conductors were exposed.

It is probable that Mr. Linde, while making his examination of lamp, placed his hand on one of the insulators, for the purpose of steadying himself, his hand thereby coming in contact with the bare conductor where insulation had cracked, and as he was standing on grounded metalwork of bridge, he formed part of a derived circuit through the ground.

Examination of the body found a burn on the inside of his left hand, and medical examiner's certificate assigned "electric shock" as the chief cause of death. Potential of circuit on which accident occurred was about 4,000 volts.



FIRST STATION OF THE EDISON ELECTRIC ILLUMINATING CO.

Plate No. 23.

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WORK OF INTERIOR DIVISION.

Inspection of Interior Wiring of Buildings, Showing Work
Performed for Five Years.

	1896.	1897.	1898.	1899.	1900.
Notices of new work received	4,383	4,799	5,355	5,749	5,850
Number of large area buildings... } Wiring completely examined	395	473	451	567	570
Incandescent Lights examined	118,679	128,857	125,458	151,046	316,074
Arc lights examined.....	2,835	2,396	2,396	2,495	5,697
Motors examined.....	908	1,121	1,027	1,225	1,922
Total H. P. of motors examined....	3,247	3,739	5,681	6,967	11,150
Defects reported.....	9,505	2,318	1,661	2,369	2,274
Defects corrected.....	8,737	1,452	926	1,846	1,622
Services examined .....	.....	1,988	1,283	1,115	1,176
Inspections made .....	.....	.....	9,472	12,476	12,609
Isolated plants in this City .....	.....	.....	.....	.....	271
Isolated plants inspected .....	.....	.....	.....	.....	197

Number and Classification of Fires, etc., due to Electrical
Causes.

	1896.	1897.	1898.	1899.	1900.
Fires on outside of buildings	12	9	16	4	4
Fires in the interior of buildings.....	22	29	38	31	29
Fires on roofs of buildings.....	2	2	6	2	1
Fires on poles	3	3	6	1	7
Fires on trees.....	3	8	11	4	9
Bridge fires.....	2	1	4	2	3
Burn-outs.....	2	3	....	....	6
Deaths.....	3	3	....	3	4
Injuries	13	16	....	16	4
Manhole explosions	2	5	....	5	1
Miscellaneous	21	11	5	2	3
Electric car fires.....	....	23	1	....	....
Fires at standpipes for distribution .....	....	....	2	1	1
Fires in underground services.....	....	....	3	....	1

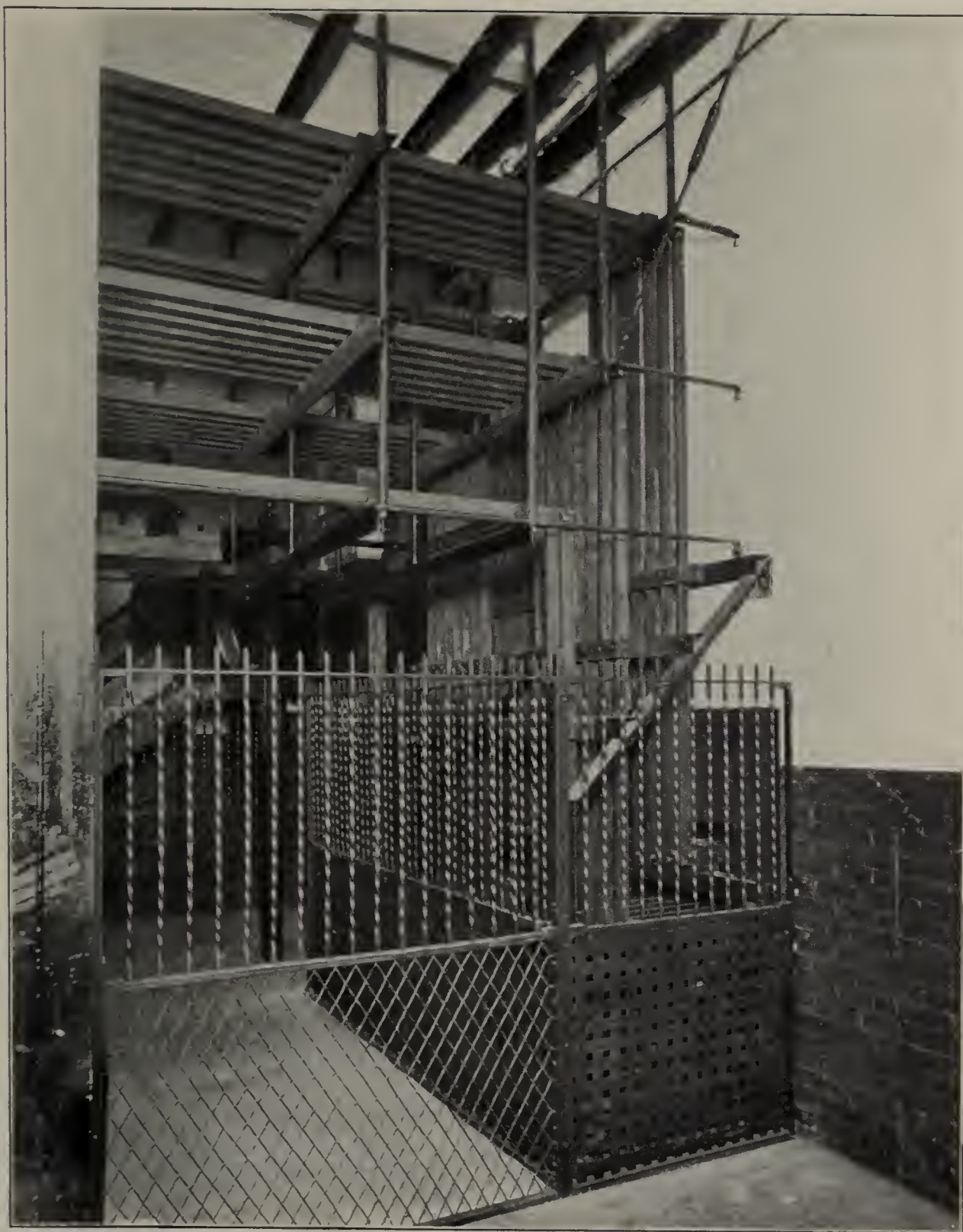
NOTE. — Electric car fires not noted, 1899 and 1900.

DESCRIPTION OF THE LABORATORY AND TESTING APPARATUS
INSTALLED UNDER THE SUPERVISION OF CONSULTING
ELECTRICIAN WILLIAM BROPHY.

A commodious room, thirty-three by sixteen feet, giving a floor space of five hundred and twenty square feet, has been provided for the laboratory, which will contain a test-board that has long been in the possession of the Department, but has for a long time been out of use, because the room in which it was located had to be occupied for other purposes. On it will be tested the carrying capacity of wire, fuses, switches, and many other devices. Its range is from thirty-six one hundredths (0.36) of an ampere to one hundred and twenty-five (125) amperes, and this can be increased to three hundred and ninety-three (393) amperes. Next will be a five kilowatt motor and generator. The generator will furnish alternating current at a pressure of two hundred and twenty (220) volts to a step up transformer whose secondary coils can produce current at a pressure of fifty thousand (50,000) volts, so that we will have a range of from two hundred and twenty (220) to fifty thousand (50,000) volts. With this apparatus, every device, and all material used in electrical construction, can be put under any stress that may be required at the present time, and, so far as is now known, for a long time in the future. By this means the value of any so-called high-grade insulating material can be quickly determined. Next will be a transformer, mounted on the switch-board, by means of which a current of one thousand (1,000) amperes can be generated. By this means the carrying capacity of wire switches, cut-outs, fuses, etc., can be quickly determined, together with the amount of current required to heat conductors to a dangerous point, or melt them.

Next will be the apparatus for the accurate measurement of the insulation and conductivity of conductors, consisting of a delicate reflecting galvanometer, which will set on a brick pier which is built on piles driven twenty feet into the marshy ground on which the building stands in order to secure a solid foundation and prevent vibration, in connection with which is a Wheatstone bridge for the measurement of conductivity, a standard resistance-box, condenser, shunt coils, and testing battery, switches, keys, etc. On a table, the top of which is slate, will be mounted all these instruments except the galvanometer.

A slate switch-board will contain the main switch for controlling the current to the motor, a double throw switch for connection to the dynamo that furnishes light to the building or to the wires of one of the electric lighting company, an automatic circuit breaker, starting rheostat for the motor, and another for controlling the output of the generator, together with voltmeters and ammeters for the measurement of the pressure in volts and the quantity of current in amperes. This board



FIRST STATION OF THE EDISON ELECTRIC ILLUMINATING CO.

Plate No. 24.

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consists of two panels, on the second of which will be mounted the quantity transformer before mentioned, together with the necessary instruments for regulating the current and measuring the same. At one end of the room is a large water tank for the immersion of material whose action under such conditions it is necessary to determine.

During the year photographs have been taken showing the improvements made in overhead and underground construction. Also defective installation of interior wiring, etc. Maps drafted, showing the congested condition of the streets in the City Proper, all of which form an invaluable record of the work done, and are kept in the archives of the Department for future reference and use.

Plate No. 1. Shows a conduit in process of construction of the Edison Electric Illuminating Company, composed of 120-3 inches vitrified clay ducts, and is laid in the private way approaching the new station of this company on Atlantic avenue, opposite Pearl street.

Plate No. 2. Shows a conduit in process of construction of the Massachusetts Telephone and Telegraph Company on Franklin street, composed of 72 ducts of 3 inch vitrified clay. The manhole which is partially built is in front of the building occupied by the above company, namely, No. 185 Franklin street.

Plate No. 3. Was taken at the time of the break in the water main at Tremont and Boylston streets, showing the crack in the water-pipe and the condition in which the electrical pipes and cables were found. It will be noticed that the pipe was completely stripped off the cable in some places, but more of the cables were broken through, though it will be seen that the lead sheathing is badly cracked in many places. In this case it was necessary to relay some 300 feet of conduit.

Plate No. 4. Gives a fair idea of the manner of stringing the feed and return cables of the Boston Elevated Railway Company on their overhead structure, showing the cross-pieces between the tracks and glass insulators supporting the wires.

Plate No. 5. Shows the method of dividing the feed and return cables and anchoring the same in order to pass around the stations; this photograph was taken at the southern end of the Northampton-street station.

Plates Nos. 6, 7, 8, 9, 10. Showing portions of streets from which poles and wires are now being removed.

All in the prescribed district for the year 1900.

Plates Nos. 11, 12. Showing condition of electric light and power wires in area near Washington and Bromfield streets. These wires were in contact with fire escapes, copper gutter, iron work of building, etc., and owing to their dangerous condition were cut and removed by this Department, as mentioned elsewhere.

Relating to the map, showing the congested condition under

the surface of State street, I would say that between Broad and Congress streets, in addition to sewer, water, and gas pipes, there are 67 ducts, containing 8,564 conductors, used for electrical purposes of all descriptions.

Plate No. 13. Shows a group, consisting of a switch, fuseless rosette, cut-out, and pieces of an elevator cable, removed from No. 105 Summer street, where they were in use previous to a fire which occurred March 15, noted in this year's list of fires due to electricity. One side of system was grounded, a second ground occurred where switch in elevator car was fastened to ironwork of same, and as cut-out had copper wire in same, in place of proper fuses, elevator cable was heavily overcharged, its insulation ignited, portions of which dropped to the bottom of the elevator well, igniting loose paper and rubbish which had accumulated there.

Plate No. 14. Shows two sockets, metal portions of which are badly fused, as a result of short circuits which occurred within them; also shows two copper wires, which were removed by an inspector of this Department from cut-out, intended to protect circuit of which these sockets were a part.

Plates Nos. 15 and 16. Show the effects of electrolytic salts and action on wires, and their insulation. Plate No. 15 shows the wires as the inspector found them in service, one of the wires so badly affected by electrolytic action that in one place it was almost corroded off. Wire was dangerously hot at this point, as its area had been so reduced that it had not sufficient carrying capacity for amount of current on circuit of which wire was a part. Plate No. 16 shows two of these same wires after they had been removed.

Plate No. 17. Shows two pieces of lead-sheathed cables, taken from a 500-volt and a 2,000-volt circuit. These cables were run side by side, boxed for a short distance, after leaving standpipe from underground system, and the conductors of same were brought in electrical connection with each other by nails accidentally driven through lead sheaths and insulation until they brought conductors in electrical connection with their respective lead sheaths, which, in turn, were in direct contact with each other. This accidental connecting of the two circuits together resulted in the burning out of over 63 motors, with a total horsepower of 297½. Accident occurred last year.

Plate No. 18. Shows a cut-out almost completely covered with rat deposits and shavings. Cut-out was found in a prominent hotel, where extensive changes have been made in electrical equipment at the request of this Department.

Plate No. 19. Shows a 500-volt motor and a "home-made" speed regulator consisting of a number of coils of fine bare wire strung by means of strings, nails, etc., to wall and ceiling in vicinity of motor. Current was cut out of premises and was not permitted to be turned on again until installation was made satisfactory.

Plate No. 20. Shows cut-out from which a 220-volt lighting circuit was fed at the Back Bay Station of the N. Y., N. H. & H. R.R. It also shows a butt of a lamp with a portion of a socket fused to same.

A short-circuit occurred in lamp socket, and although cut-out had only 10 ampere fuses in same, a destructive arc was maintained across cut-out and insulation of wires was ignited. Watchman was placing lamp in socket when the short-circuit occurred, and fire was extinguished by him.

Plate No. 21. Shows pieces of pipes and wires which were removed from buildings Nos. 22-32, Nos. 23-25, and Nos. 48-50 Pearl street, where they were damaged March 1, by heavy currents of electricity which entered buildings over service gas-pipes.

Plate No. 22. Shows feeder construction from cable vault at the Second Station of the Edison Electric Illuminating Company. This picture shows the type of construction which was in use at the First Station previous to the burn-out of October 11.

Plate No. 23. Shows feeder bus-bar construction, installed at the First Station of the Edison Electric Illuminating Company, to replace cable construction destroyed by burn-out of October 11. This plate shows construction where cables leave underground ducts and connect to bus-bar feeders.

Plate No. 24. Shows feeder bus-bar construction, installed at the First Station of the Edison Electric Illuminating Company, to replace the cable construction destroyed by burn-out of October 11. This plate shows that part of cable vault where burn-out occurred.

LIST OF EMPLOYEES, JANUARY 31, 1901.

No.	Occupation	Salary Per. Annum.
1	Commissioner	\$5,000
1	Consulting Electrician	3,000
2	Chief Inspectors	2,000
6	Deputy Inspectors	1,300
2	Deputy Inspectors	1,200
1	Deputy Inspector	1,000
1	Chief Clerk	1,300
1	Clerk	624
1	Draughtsman	1,300
5	Linemen	936
11	Linemen	858
1	Lineman	819
2	Linemen	780
1	Lineman	728
1	Telephone Operator	468

STATEMENT OF DEPARTMENT APPROPRIATION
AND EXPENDITURES FROM FEBRUARY 1, 1900,
TO JANUARY 31, 1901.

Annual appropriation	\$43,000 00	
By transfer	4,199 00	
		\$47,199 55

Expenditures:

Office, including salary of Commis- sioner	\$12,593 33	
Exterior Division	18,006 92	
Interior Division	13,288 57	
Draughting, including plates for report	796 90	
Electrical instruments	1,635 61	
Stationery and printing	366 71	
Telephones	219 94	
Incidental expenses	175 09	
Tools and repairs	116 48	
		\$47,199 55

LIST OF PROPERTY OF THE WIRE DEPARTMENT.

- 1 High Potential Testing Apparatus.
- 1 Standard Resistance Coil with Wheatstone Bridge.
- 1 Transformer.
- 1 Test Board, capacity 220 volts and 300 amperes.
- 1 Auxiliary Test Board, capacity 220 volts and 150 amperes.
- 1 Auxiliary Test Board, capacity 220 volts and 75 amperes.
- 1 Weston Direct Reading Voltmeter, No. 3,317,300 volts.
- 1 Weston Direct Reading Voltmeter, No. 4,747, 15 volts.
- 1 Weston Direct Reading Ammeter, No. 926,150 amperes.
- 1 Weston Direct Reading Voltmeter, No. 3,438, 1,500 volts.
- 1 Weston Direct Reading Mil-Ammeter, No. 2,433, 1,500 mil-amperes.
- 1 Weston Direct Reading Voltmeter, No. 6,020,300 volts.
- 1 Weston Direct Reading Ammeter, No. 2,428, 500 amperes.
- 1 Standard Portable Alternating and Direct Current Voltmeter, No. 1,044, 300 volts.
- 1 Reflecting Galvanometer, Condenser, Telescope, Scales, etc.
- 2 Bichloride of Silver Batteries, 150-cell and 60-cell.
- 1 Queen testing set, No. 389.
- 1 Weston Direct Reading Ammeter, No. 2,381, 50 amperes.
- 1 Set Standard Resistance Coils.
- 1 Generator, 50,000 ohms.
- 1 Discharge Key.
- 1 Reversing Key.
- 1 Lamp-stand and Scale.

- 1 Shunt Coil.
- 1 Set Double Connector Posts.
- 2 Horses.
- 2 Express Wagons.
- 1 Business Wagon.
- 1 Sleigh.
- 3 Sets of Harness.
- 2 Robes.
- 6 Blankets.

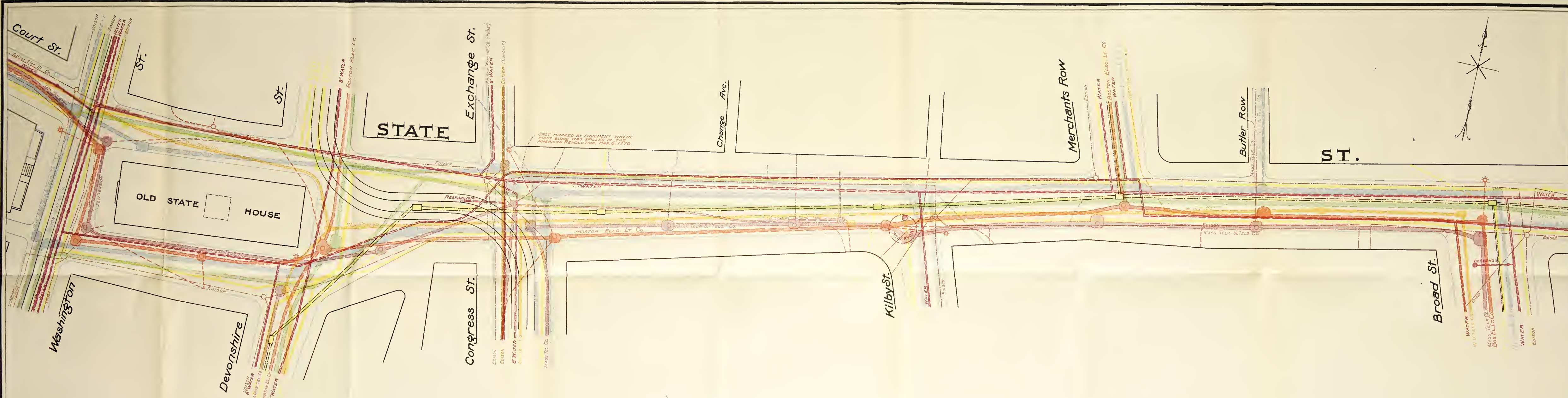
Miscellaneous Tools, used in connection with overhead construction.

Draughting Instruments.

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HOUSE

STATE



WIRE DEP'T., CITY OF BOSTON

PLAN SHOWING UNDERGROUND STRUCTURES AND THE DIFFICULTIES ENCOUNTERED IN LAYING CONDUIT
IN OUR "DOWN TOWN" STREETS.

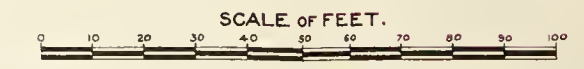
William H. Lott

COMMISSIONER OF WIRES.

JANUARY 21st. 1901.

NOTE.
THIS PLAN COMPILED FROM OTHER PLANS
AND NONE OF THE INFORMATION IS GUARANTEED
BY THE WIRE DEPARTMENT.

JAMES T. BALL, DRAUGHTSMAN.



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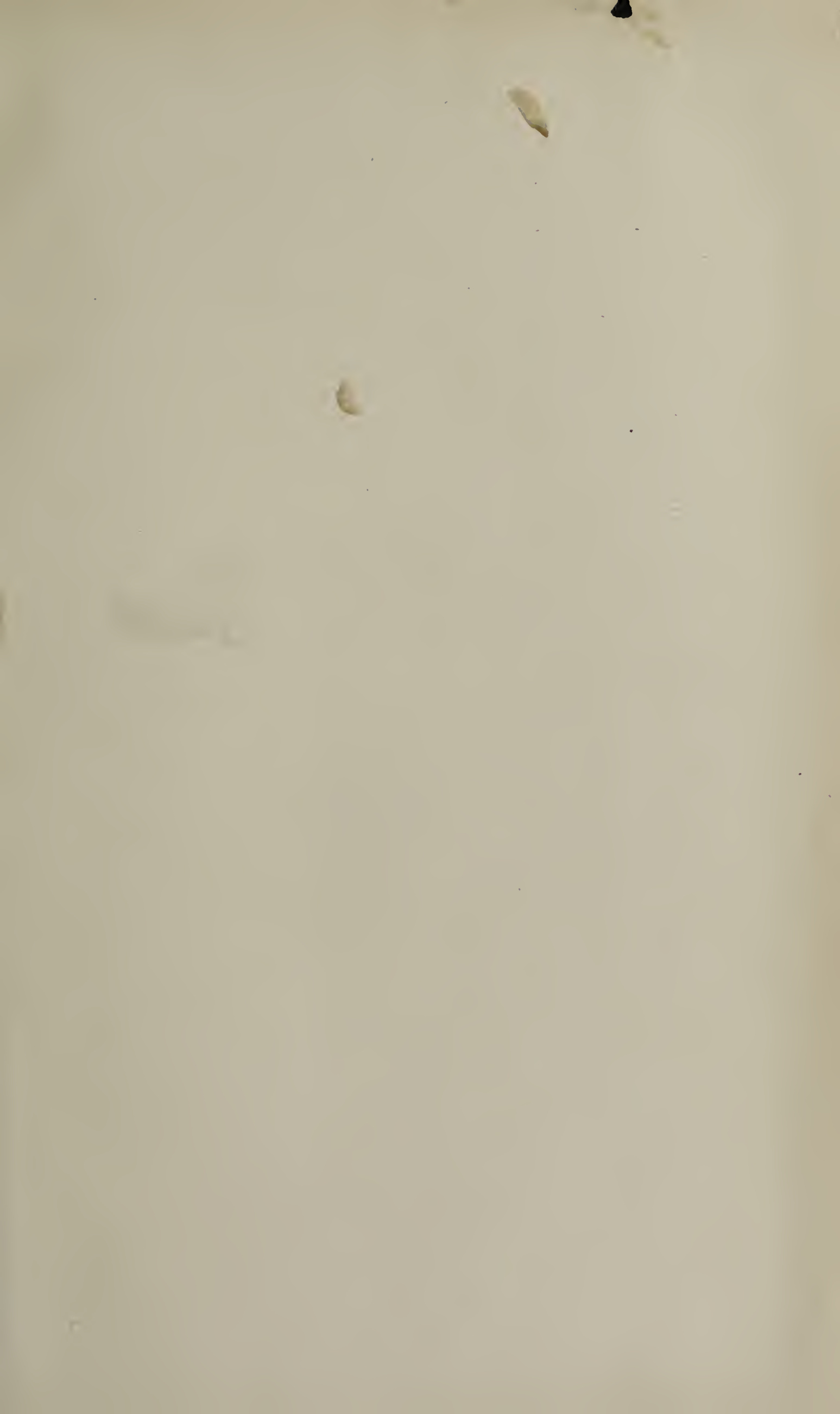
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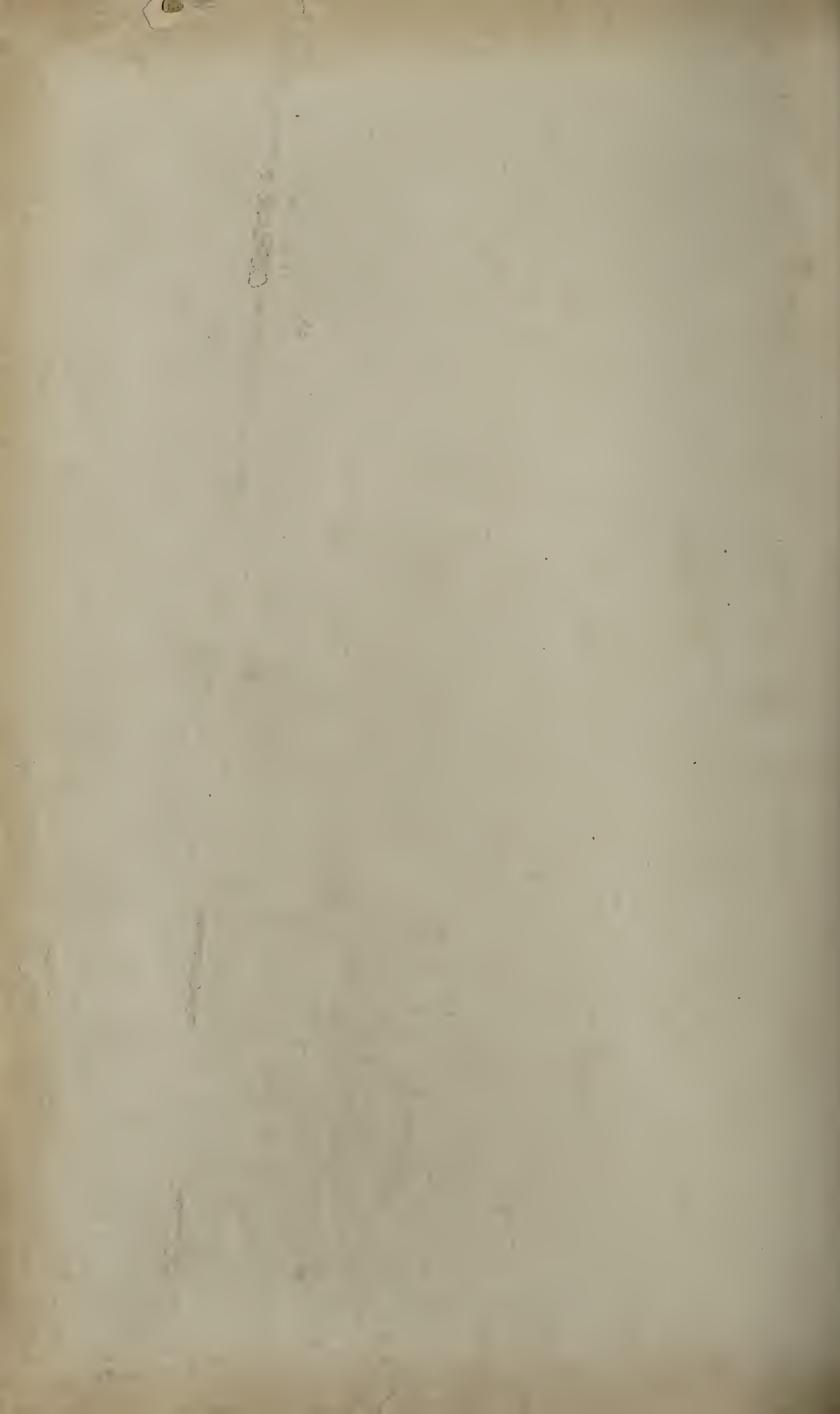
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